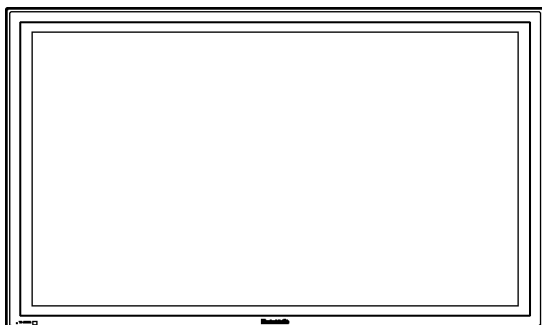


Service Manual

High Definition Plasma Display



TH-50PH9UK

GPH9D Chassis

Specifications

Power Source	120 V AC, 50/60Hz
Power Consumption	
Maximum	460 W
Stand-by condition	Save OFF 0.5 W, Save ON 0.3 W
Power off condition	0.1W
Plasma Display panel	Drive method: AC type 50-inch, 16:9 aspect ratio
Contrast Ratio	Max 10000:1
Screen size	43.5" (1,106 mm) (W) × 24.5" (622 mm) (H) × 50" (1,269 mm) (diagonal)
(No. of pixels)	1,049,088 (1,366 (W) × 768 (H) [4,098 × 768 dots]
Operating condition	
Temperature	32 °F - 104 °F (0 °C - 40 °C)
Humidity	20 % - 80 %
Applicable signals	
Color System	NTSC, PAL, PAL60, SECAM, Modified NTSC
Scanning format	525 (480) / 60i • 60p, 625 (575) / 50i • 50p, 750 (720) / 60p • 50p, 1125 (1080) / 60i • 50i • 24p • 25p • 30p • 24sF SMPTE274M, 1250 (1080) / 50i
PC signals	VGA, SVGA, XGA, SXGA, UXGA (compressed) Horizontal scanning frequency 15 - 110 kHz Vertical scanning frequency 48 - 120 Hz
Connection terminals	
AV	VIDEO IN / OUT (BNC) S VIDEO IN (MINI DIN 4PIN) AUDIO IN (RCA PIN JACK × 2)
COMPONENT / RGB	Y / G (BNC) P _B /B (BNC), P _R /R (BNC) AUDIO IN (RCA PIN JACK × 2)
PC	(HIGH-DENSITY Mini-D-SUB 15PIN)
	1.0 Vp-p (75-ohm or high impedance) Y: 1 Vp-p (75-ohm), C: 0.286 Vp-p (75-ohm) 0.5 Vrms (high impedance) 1.0 Vp-p / composite (75-ohm) 0.7 Vp-p / non-composite (75-ohm) 0.7 Vp-p (75-ohm) 0.5 Vrms (high impedance) R,G,B / 0.7 Vp-p (75-ohm)

	Component	
	Y:	1.0 Vp-p (75-ohm : include sync)
	P _B / C _B :	0.7 Vp-p (75-ohm)
	P _R / C _R :	0.7 Vp-p (75-ohm)
	AUDIO IN (M3 JACK)	0.5 Vrms (high impedance)
SERIAL	EXTERNAL CONTROL TERMINAL (D-SUB 9PIN)	RS-232C COMPATIBLE
SPEAKERS (6Ω)	16 W [8 W + 8 W] (10 % THD)	

Accessories Supplied

Remote Control Transmitter	EUR7636070R
Batteries	2 × AA Size
Fixing bands	(TMME203 or TMME187) × 2

Dimensions (W × H × D) 47.6" (1,210 mm) × 28.5" (724 mm) × 3.7" (95 mm)

Mass (weight)

main unit only	approx. 81.6 lbs
with speakers	approx. 90.4 lbs

Notes:

- Design and specifications are subject to change without notice. Mass and dimensions shown are approximate.
- This equipment complies with the EMC standards listed below. EN55022, EN55024, EN61000-3-2, EN61000-3-3. (EK/ES/BK/BS)

 WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Applicable signals

VIDEO input

	Signal name	Horizontal frequency(kHz)	Vertical frequency(Hz)
1	NTSC	15.73	59.94
2	PAL	15.63	50.00
3	PAL60	15.73	59.94
4	SECAM	15.63	50.00
5	Modified NTSC	15.73	59.94

Applicable input signals for Component / Mini D-sub 15P (Component) / RGB / Mini D-sub 15P (RGB) (* Mark)

	Signal name	Horizontal frequency (kHz)	Vertical frequency (Hz)	Component / Mini D-sub 15P (Component)	RGB / Mini D-sub 15P (RGB)
1	525 (480) / 60i	15.73	59.94	*	*
2	525 (480) / 60p	31.47	59.94	*	*1
3	625 (575) / 50i	15.63	50.00	*	*
4	625 (575) / 50p	31.25	50.00	*	*
5	750 (720) / 60p	45.00	60.00	*	*
6	750 (720) / 50p	37.50	50.00	*	*
7	1,125 (1,080) / 60i	33.75	60.00	*	*
8	1,125 (1,080) / 50i	28.13	50.00	*	*
9	1,125 (1,080) / 24p	27.00	47.92	*	*
10	1,125 (1,080) / 24sF	33.75	30.00	*	*
11	1,125 (1,080) / 25p	28.13	25.00	*	*
12	1,125 (1,080) / 30p	27.00	24.00	*	*
13	1,250 (1,080) / 50i	31.25	50.00	*	*
14	640 × 400 @70 Hz	31.46	70.07		*
15	640 × 480 @60 Hz	31.47	59.94		*2
16	640 × 480 @72 Hz	37.86	72.81		*
17	640 × 480 @75 Hz	37.50	75.00		*
18	640 × 480 @85 Hz	43.27	85.01		*
19	852 × 480 @60 Hz	31.47	59.94		*2
20	800 × 600 @56 Hz	35.16	56.25		*
21	800 × 600 @60 Hz	37.88	60.32		*
22	800 × 600 @72 Hz	48.08	72.19		*
23	800 × 600 @75 Hz	46.88	75.00		*
24	800 × 600 @85 Hz	53.67	85.06		*
25	1,024 × 768 @60 Hz	48.36	60.00		*
26	1,024 × 768 @70 Hz	56.48	70.07		*
27	1,024 × 768 @75 Hz	60.02	75.03		*
28	1,024 × 768 @85 Hz	68.68	85.00		*
29	1,152 × 864 @75 Hz	67.50	75.00		*
30	1,280 × 960 @60 Hz	60.00	60.00		*
31	1,280 × 960 @85 Hz	85.94	85.00		*
32	1,280 × 1,024 @60 Hz	63.98	60.02		*
33	1,280 × 1,024 @75 Hz	79.98	75.03		*
34	1,280 × 1,024 @85 Hz	91.15	85.02		*
35	1,600 × 1,200 @60 Hz	75.00	60.00		*
36	1,600 × 1,200 @65 Hz	81.25	65.00		*
37	1,066 × 600 @60 Hz	37.88	60.32		*
38	1,366 × 768 @60 Hz	48.36	60.00		*
39	Macintosh13" (640 × 480)	35.00	66.67		*
40	Macintosh16" (832 × 624)	49.72	74.54		*
41	Macintosh21" (1,152 × 870)	68.68	75.06		*

*1: When selected the RGB format and 525p signal input to the Mini D-sub 15P terminal, it is recognized as VGA 60Hz signal.

*2: When inputted VGA 60Hz format signal from the other than Mini D-sub 15P terminal, it is recognized as 525p signal.

Note: Signals without above specification may not be displayed properly.

2 Safety Precautions

2.1. General Guidelines

1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

2.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between $1\text{M}\Omega$ and $5.2\text{M}\Omega$.

When the exposed metal does not have a return path to the chassis, the reading must be ∞ .

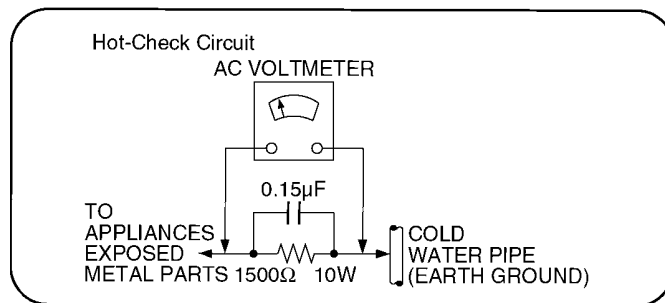


Figure 1

2.1.2. Leakage Current Hot Check (See Figure 1 .)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $1.5\text{k}\Omega$, 10 watts resistor, in parallel with a $0.15\mu\text{F}$ capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1 .
3. Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.
5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed $1/2$ milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.

3 Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder Remove device. Some solder Remove devices not classified as "anti-static (ESD protected)" can generate electrical charge sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

Caution

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

4 About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.

In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.

The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).

That is Tin (Sn), Silver (Ag) and Copper (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.

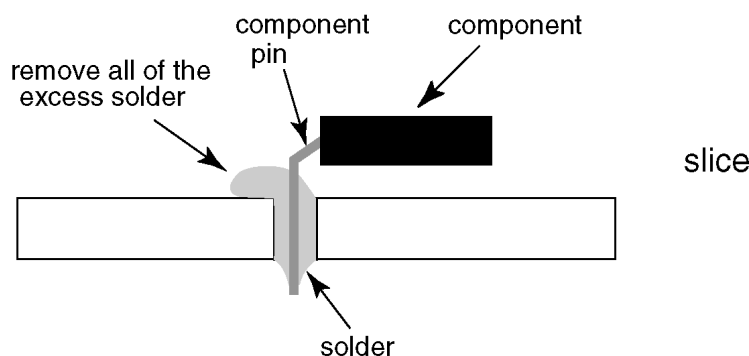
PCBs manufactured using lead free solder will have the PbF within a leaf Symbol  stamped on the back of PCB.

Caution

- Pb free solder has a higher melting point than standard solder. Typically the melting point is 50 ~ 70 °F (30~40 °C) higher. Please use a high temperature soldering iron and set it to 700 ± 20 °F (370 ± 10 °C).
- Pb free solder will tend to splash when heated too high (about 1100 °F or 600 °C).

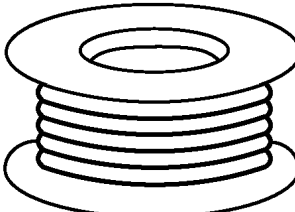
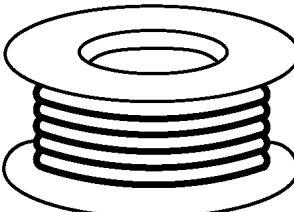
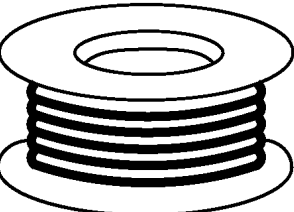
If you must use Pb solder, please completely remove all of the Pb free solder on the pins or solder area before applying Pb solder. If this is not practical, be sure to heat the Pb free solder until it melts, before applying Pb solder.

- After applying PbF solder to double layered boards, please check the component side for excess solder which may flow onto the opposite side. (see figure below)



Suggested Pb free solder

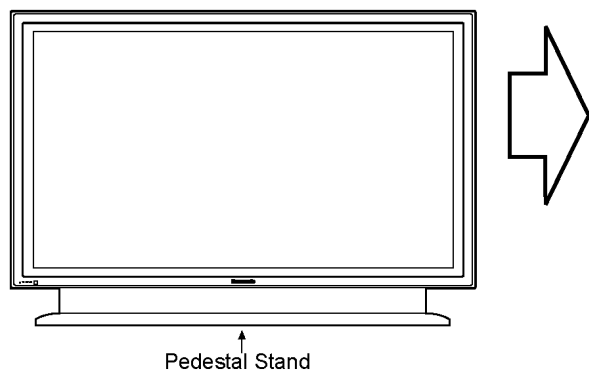
There are several kinds of Pb free solder available for purchase. This product uses Sn+Ag+Cu (tin, silver, copper) solder. However, Sn+Cu (tin, copper), Sn+Zn+Bi (tin, zinc, bismuth) solder can also be used.

0.3mm X 100g	0.6mm X 100g	1.0mm X 100g
		

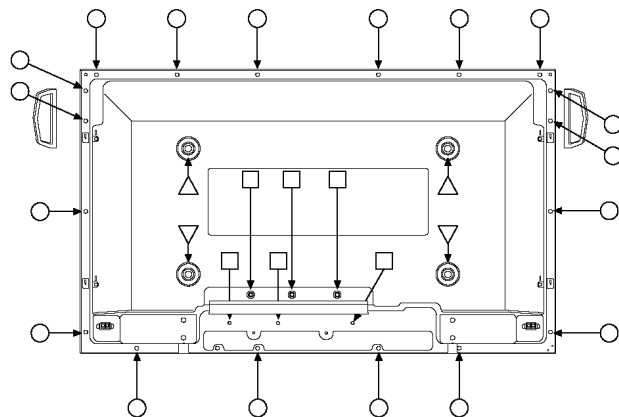
5 Service Hint

[How to set the plasma unit for servicing]

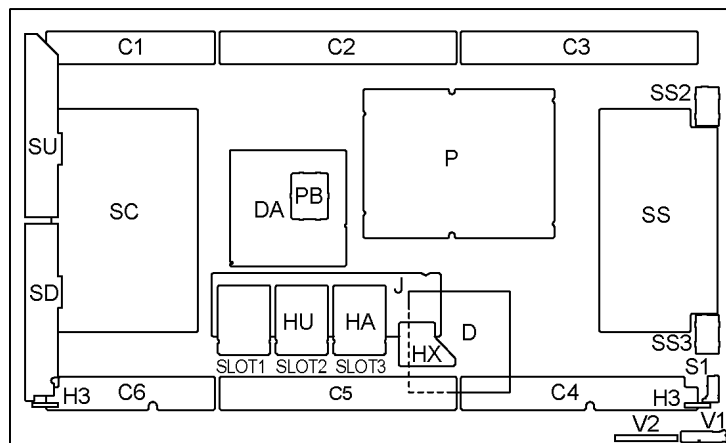
Place the plasma unit on the pedestal stand.
(Optional Accessory)



Remove the Back Cover.



Remove : 4 screws (△) XYN8+F20FJK
6 screws (□) THEL0239
18 screws (○) XYC4+FJ35FJK



Board Name	Function
DA	Digital Signal Processor, Micon
D	Format Converter, Plasma Ai Processor Sub-Filed Processor
J	Slot Interface (Audio / Video / Sync inputSwitch), SYNC processor, Sound processor
SS	Sustain drive
SC	Scan drive
SU	Scan out (Upper)
SD	Scan out (Lower)
C1	Data Drive (Upper Right)
C2	Data Drive (Upper Center)
C3	Data Drive (Upper Left)
C4	Data Drive (Lower Left)
C5	Data Drive (Lower Center)
C6	Data Drive (Lower Right)
H3	Speaker terminal
S1	Power switch
SS2	Sustain out (Upper)
SS3	Sustain out (Lower)
V1	Remote receiver, LED-G, R
V2	Key switch
PB	Fan control
P	Power supply
HX	PC / RS-232C Input terminal
HU	Dual Video terminal (BNC / S)
HA	Component Video terminal (BNC)

Note:

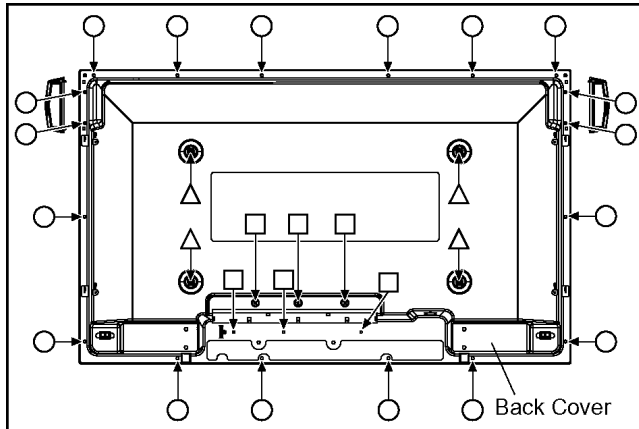
Extension cable kit for Slot Board is supplied as service fixtures and tools.
(Part No. TZSC07040)

6 Disassembly

- To disassemble P.C.B., wait for 1 minute after power was off for discharge from electrolysis capacitors.
- ▲ and △ marks indicate screw positions.

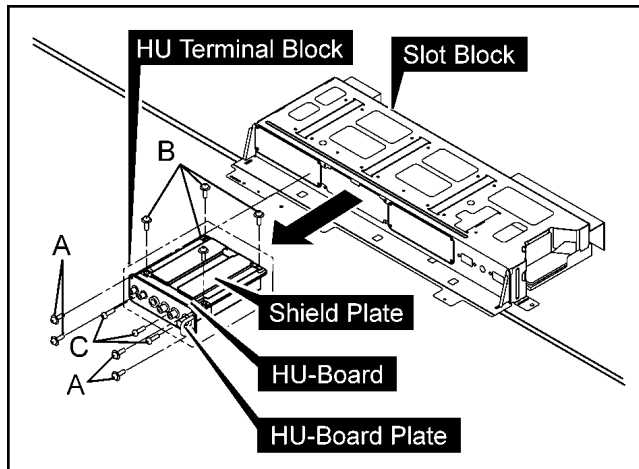
6.1. Removal of the Back Cover

1. Remove the screws (×18 ○, ×6 □, ×4 △) and then remove the Back Cover.



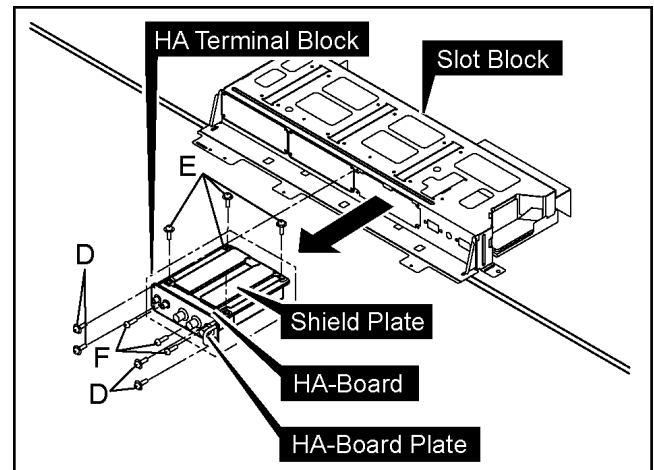
6.2. Removal of the HU-Board

1. Remove the 4 screws(A) and then remove the HU Terminal Block.
2. Remove the 4 screws(B).
3. Remove the 3 screws(C) and then remove the HU-Board.



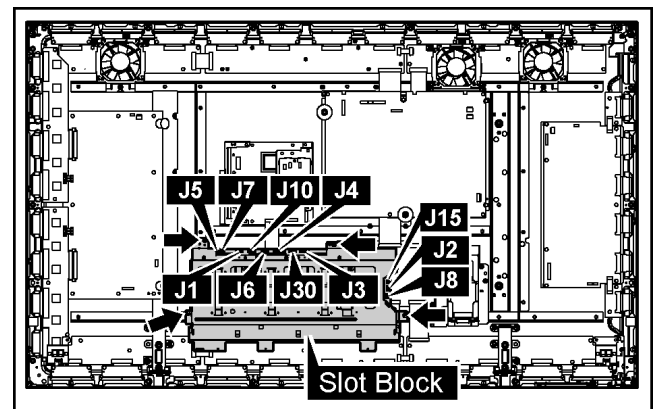
6.3. Removal of the HA-Board

1. Remove the 4 screws(D) and then remove the HA Terminal Block.
2. Remove the 4 screws(E).
3. Remove the 3 screws(F) and then remove the HA-Board.



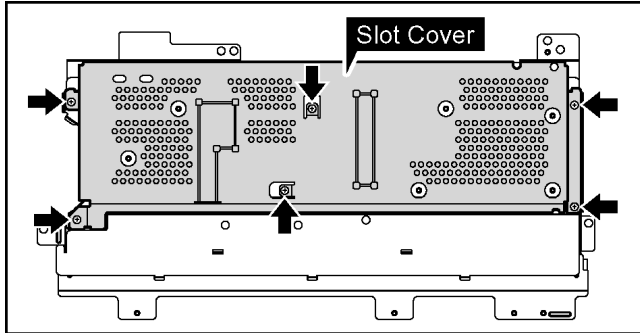
6.4. Removal of the Slot Block

1. Disconnect the couplers (J1, J2, J3, J4, J5, J6, J7, J8, J10, J15, J30).
2. Remove the 4 screws and then remove the Slot Block.

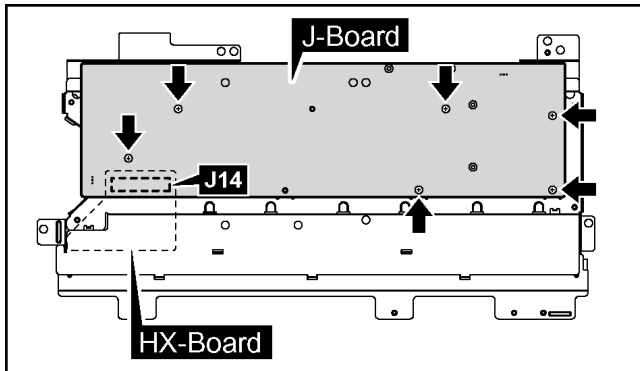


6.5. Removal of the J-Board

1. Remove the HU Terminal Block and the HA Terminal Block.
(Reference to Removal of the HU-Board and the HA-Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. The Slot Block is turned inside out.
4. Remove the 6 screws and then remove the Slot cover.

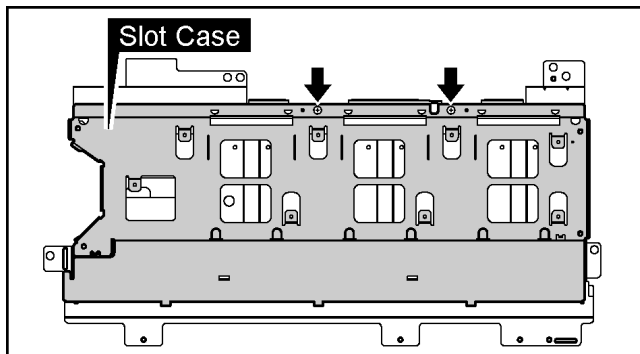


5. Remove the 6 screws.
6. Release the coupler(J14) from HX-Board and then remove the J-Board.

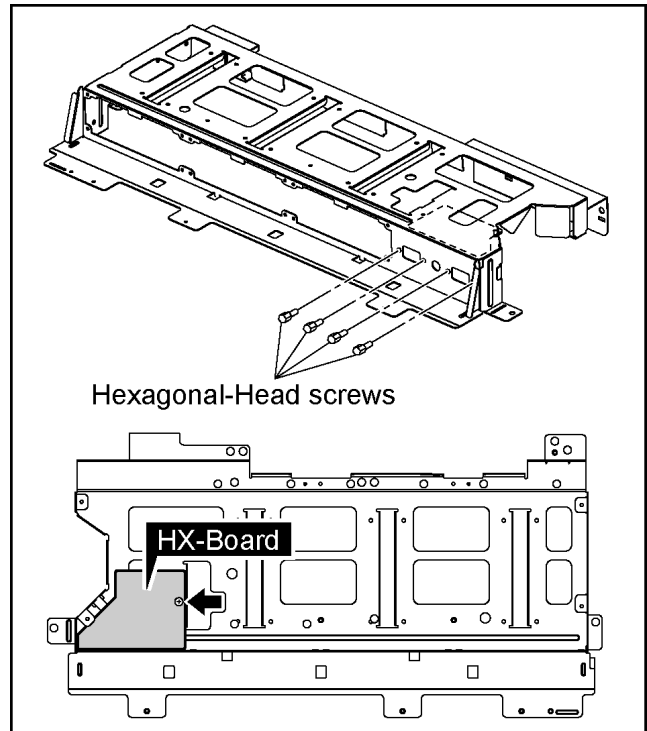


6.6. Removal of the HX-Board

1. Remove the HU Terminal Block and the HA Terminal Block.
(Reference to Removal of the HU-Board and the HA-Board)
2. Remove the Slot Block.
(Reference to Removal of the Slot Block)
3. Remove the J-Board.
(Reference to Removal of the J-Board)
4. Remove the 2 screws and then remove the Slot Case.

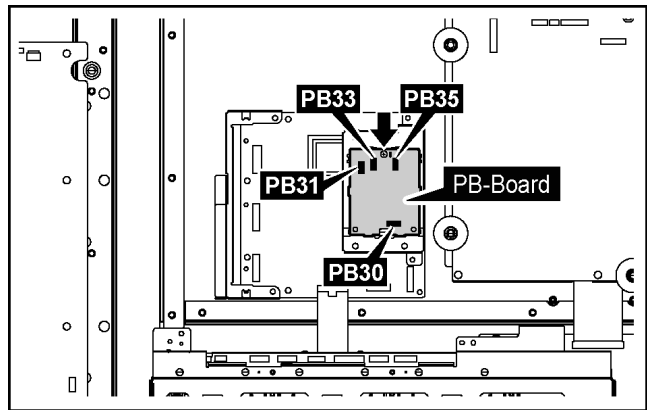


5. Remove the 4 Hexagonal-Head screws and the 1 screw and then remove the HX-Board.



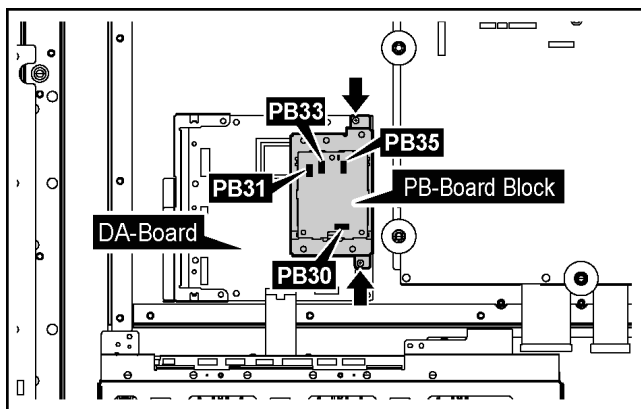
6.7. Removal of the PB-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35).
2. Remove the 1 screw and then remove the PB-Board.

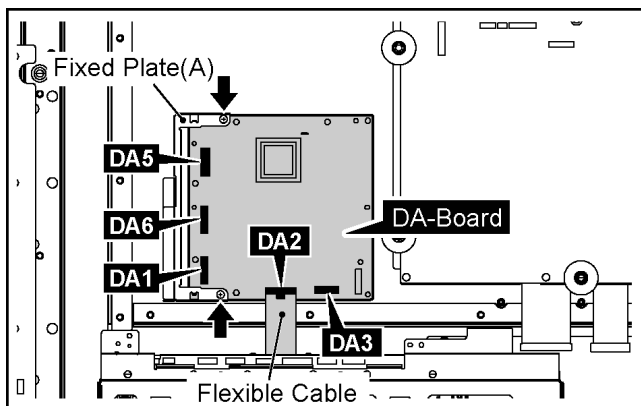


6.8. Removal of the DA-Board

1. Disconnect the couplers(PB30, PB31, PB33, PB35).
2. Remove the 2 screws and then remove the PB-Board Block.



3. Disconnect the couplers(DA1, DA3, DA5, DA6).
4. Remove the Flexible Cable from the coupler(DA2).
5. Remove the 2 screws and then remove the DA-Board and Fixed Plate.

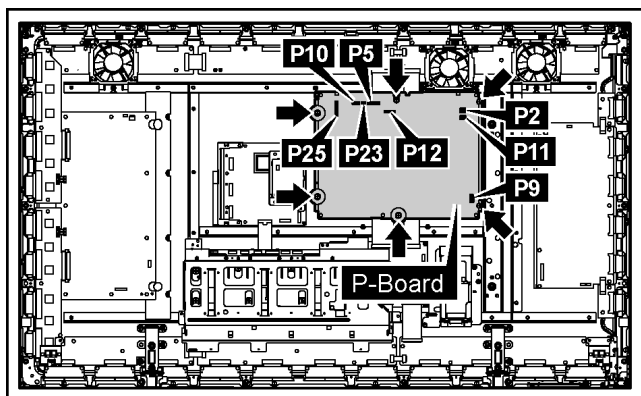


Note:

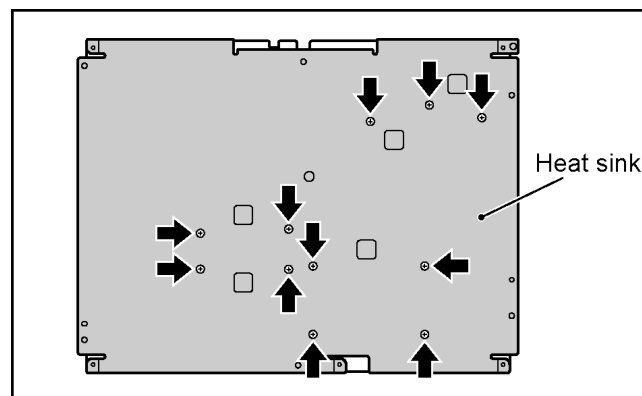
A re-setup of the destination is performed by MS mode after DA-Board exchange.

6.9. Removal of the P-Board

1. Disconnect the couplers(P2, P5, P9, P10, P11, P12, P23, P25).
2. Remove the 6 screws and then remove the P-Board.

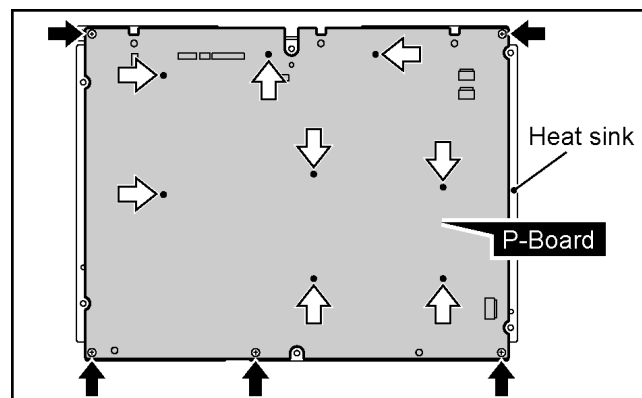


3. Remove the 11 screws (Bottom view).



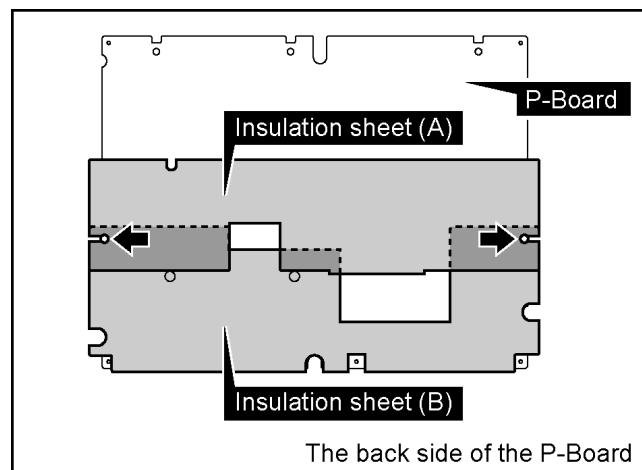
4. Remove the 5 screws (↑).

Remove the P-Board from the 8 molding props (↑).



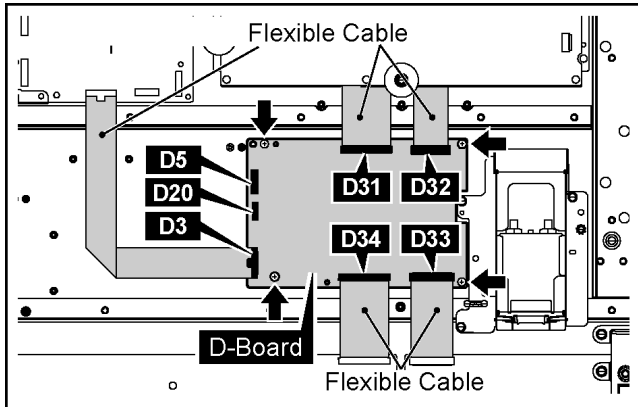
Note:

- When assembling the P-Board, the position of each hole of the insulation sheets(A, B) are set to the position of each hole of the P-Board and then assemble them. (↑ marks indicate setting positions.)



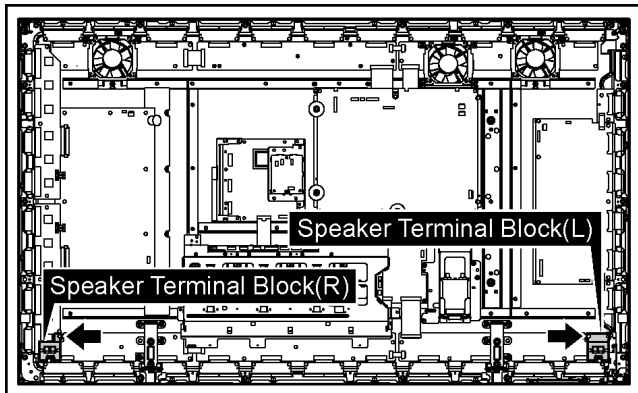
6.10. Removal of the D-Board

1. Remove the Slot Block.
(Reference to Removal of the Slot Block)
2. Disconnect the couplers(D5, D20)
3. Remove the Flexible Cable from the couplers (D3, D31, D32, D33, D34).
4. Remove the 4 screws and then remove the D-Board.

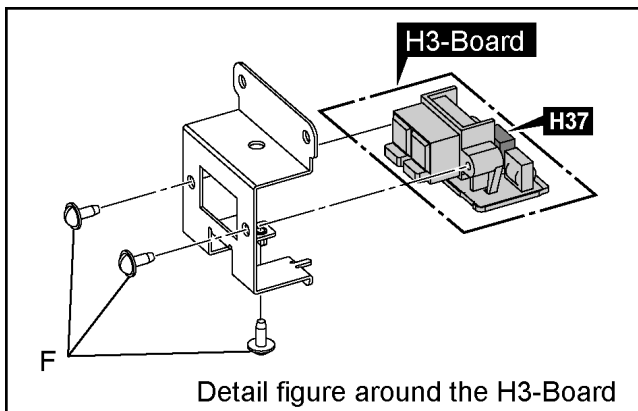


6.11. Removal of the H3-Board (L, R)

1. Remove 1 screw each and then remove the Speaker Terminal Block (L, R).

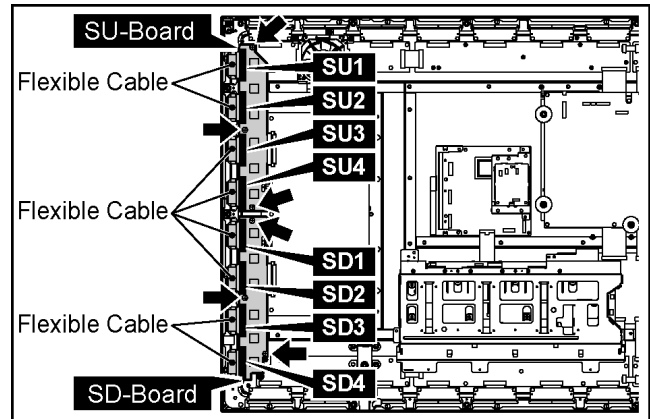


2. Disconnect the coupler(H37).
3. Remove the 3 screws (F) and then remove the H3-Board.

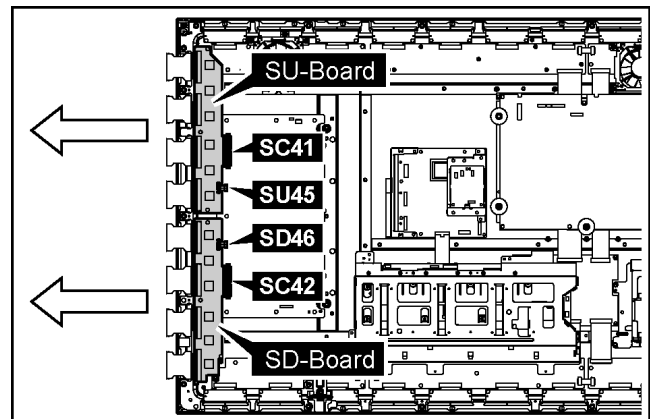


6.12. Removal of the SU-Board and the SD-Board

1. Remove the Speaker Terminal Block(R).
(Reference to Removal of the H3-Board(L, R))
2. Remove the Flexible Cable from the couplers(SU1, SU2, SU3, SU4, SD1, SD2, SD3, SD4).
3. Remove the 6 screws.

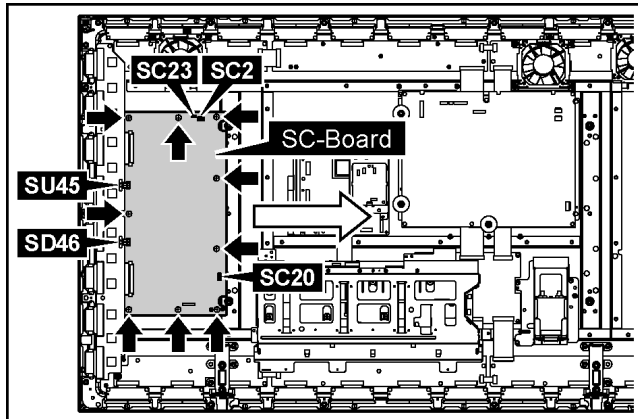


4. Disconnect the couplers(SU45, SD46).
5. Slide the SU-Board and the SD-Board to the left, remove the SU-Board and the SD-Board from the couplers(SC41, SC42).



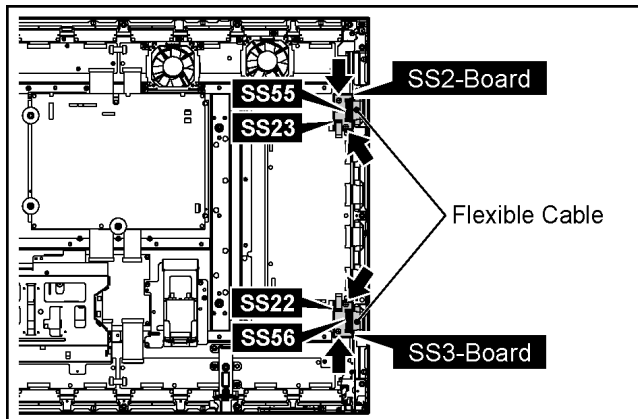
6.13. Removal of the SC-Board

1. Disconnect the couplers(SU45, SD46).
2. Disconnect the couplers(SC2, SC20, SC23).
3. Remove the 9 screws (↑) and then slide the SC-Board to the right.



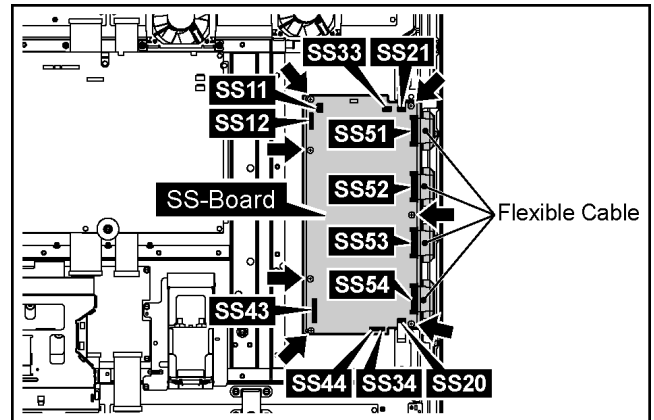
6.14. Removal of the SS2-Board and the SS3-Board

1. Disconnect the coupler(SS23).
2. Disconnect the Flexible Cable(SS55).
3. Disconnect the coupler(SS22).
4. Disconnect the Flexible Cable(SS56).
5. Remove 2 screws each and then remove the SS2-Board and the SS3-Board.



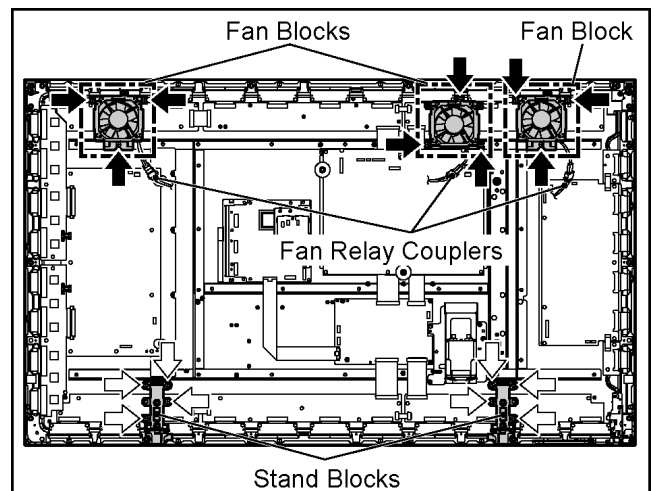
6.15. Removal of the SS-Board

1. Disconnect the couplers(SS11, SS12, SS20, SS21, SS33, SS34, SS43, SS44).
2. Remove the Flexible Cable from the couplers(SS51, SS52, SS53, SS54).
3. Remove the 7 screws and then remove the SS-Board.



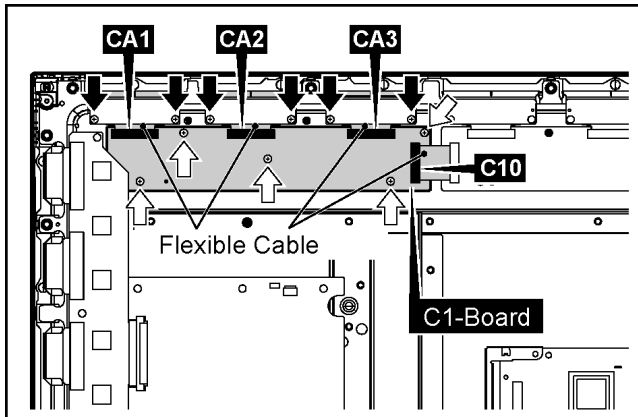
6.16. Removal of the C1, C2, C3, C4, C5 and the C6-Board

1. Remove the Slot Block.
(Reference to remove of the Slot Block).
2. Remove the Speaker Terminal Block(L, R).
(Reference to remove of the Speaker Terminal Block(L, R)).
3. Remove 4 screws each (⇧) and then remove the Stand Blocks(L, R).
4. Disconnect the Fan Relay Couplers.
5. Remove 3 screws each (↑) and then remove the 3 Fan Blocks.



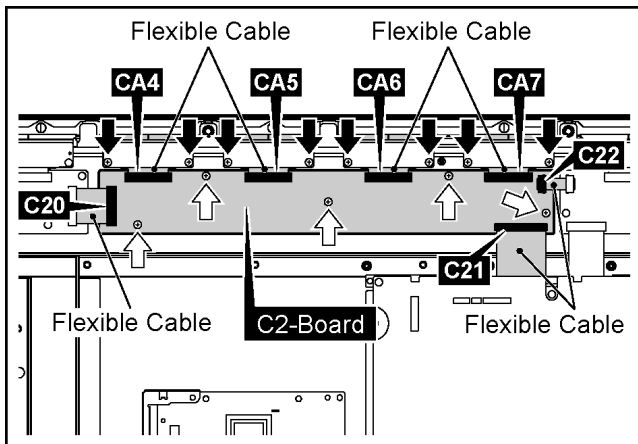
6.16.1. Removal of the C1-Board

1. Remove the Flexible Cable from the coupler(C10).
2. Remove the 6 screws (⬆) and then remove the Flexible Cable from the couplers(CA1, CA2, CA3).
3. Remove the 5 screws (⬆) and then remove the C1-Board.



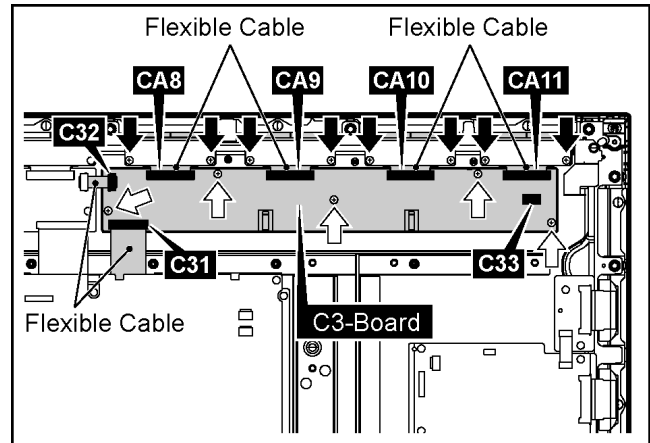
6.16.2. Removal of the C2-Board

1. Remove the Flexible Cable from the couplers(C20, C21, C22).
2. Remove the 8 screws (⬆) and then remove the Flexible Cable from the couplers(CA4, CA5, CA6, CA7).
3. Remove the 5 screws (⬆) and then remove the C2-Board.



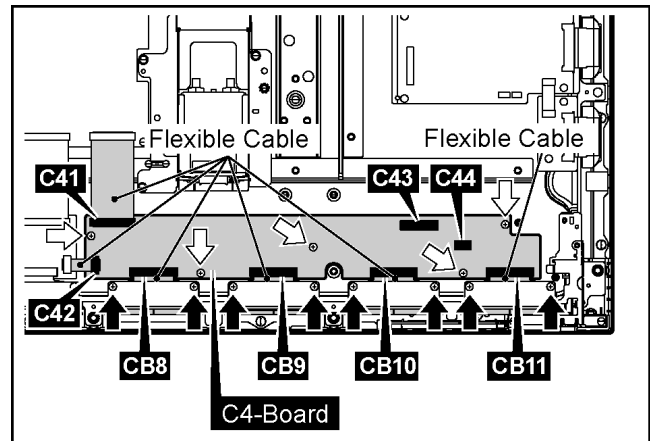
6.16.3. Removal of the C3-Board

1. Remove the Flexible Cable from the couplers(C31, C32).
2. Disconnect the couplers(C33).
3. Remove the 8 screws (⬆) then remove the Flexible Cable from the couplers(CA8, CA9, CA10, CA11).
4. Remove the 5 screws (⬆) and then remove the C3-Board.



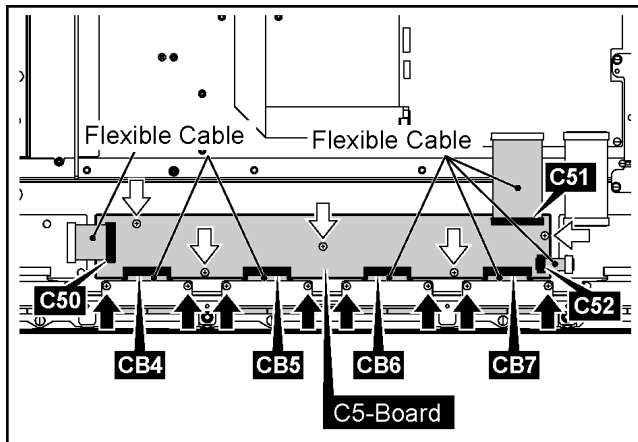
6.16.4. Removal of the C4-Board

1. Remove the Flexible Cable from the couplers(C41, C42).
2. Disconnect the couplers(C43, C44).
3. Remove the 8 screws (⬆) and then remove the Flexible Cable from the couplers(CB8, CB9, CB10, CB11).
4. Remove the 5 screws (⬆) and then remove the C4-Board.



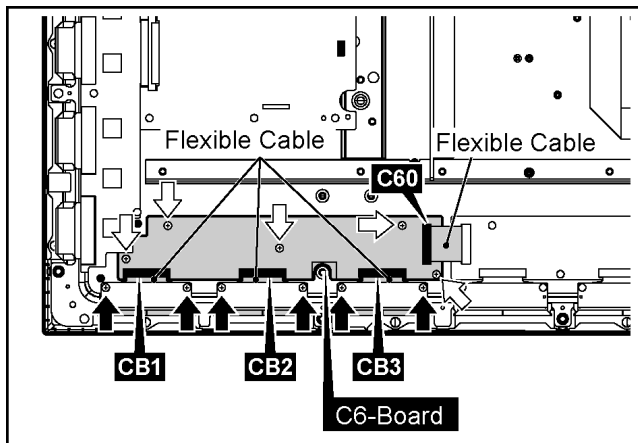
6.16.5. Removal of the C5-Board

1. Remove the Flexible Cable from the couplers(C50, C51, C52).
2. Remove the 8 screws (▲) and then remove the Flexible Cable from the couplers(CB4, CB5, CB6, CB7).
3. Remove the 5 screws (△) and then remove the C5-Board.



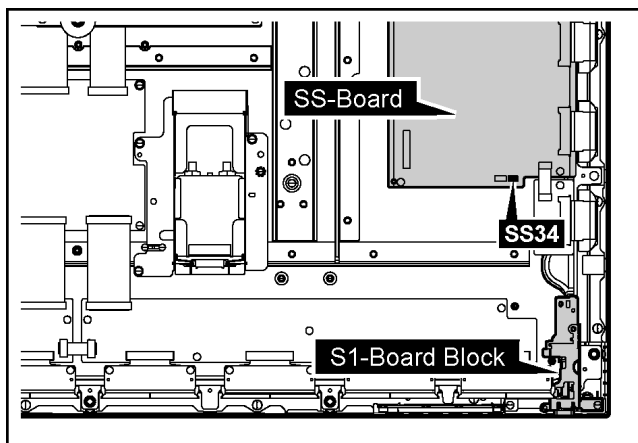
6.16.6. Removal of the C6-Board

1. Remove the Flexible Cable from the coupler(C60).
2. Remove the 6 screws and (▲) then remove the Flexible Cable from the couplers(CB1, CB2, CB3).
3. Remove the 5 screws and (△) then remove the C6-Board.

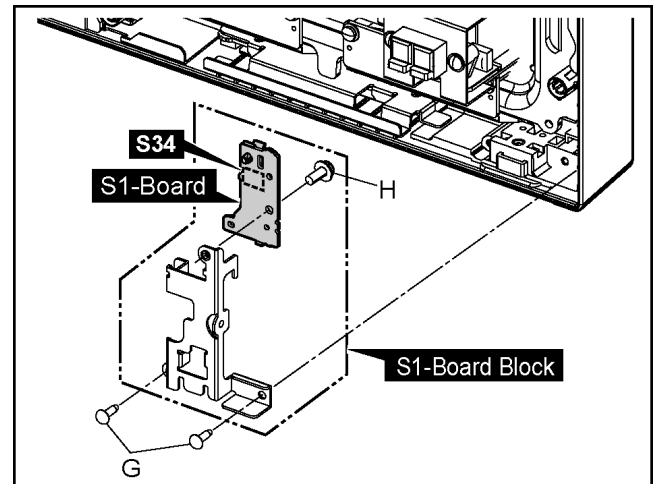


6.17. Removal of the S1-Board

1. Disconnect the coupler(SS34).

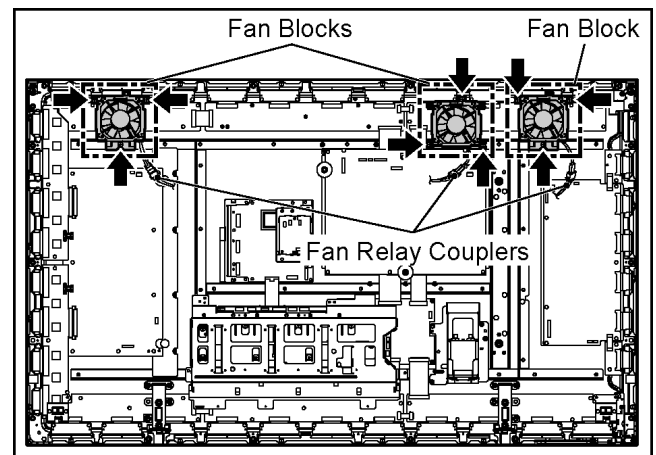


2. Remove the 2 screws(G) and then remove the S1-Board Block.
3. Disconnect the coupler(S34).
4. Remove the 1 screw(H) and then remove the S1-Board.

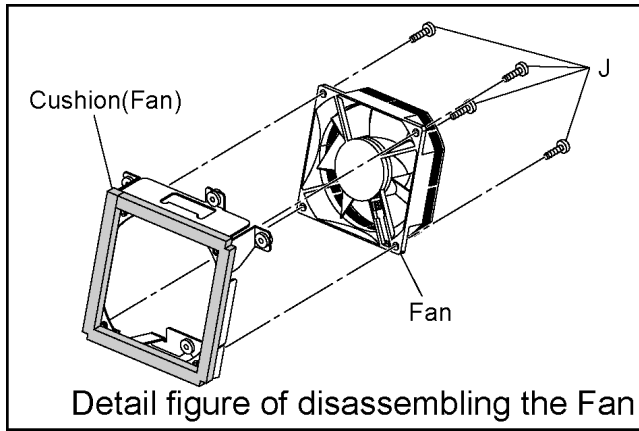


6.18. Removal of the Fan

1. Disconnect the Fan Relay Couplers.
2. Remove 3 screws each and then remove the 3 Fan Blocks.



3. Remove 4 screws each (J) and then remove the Fans.



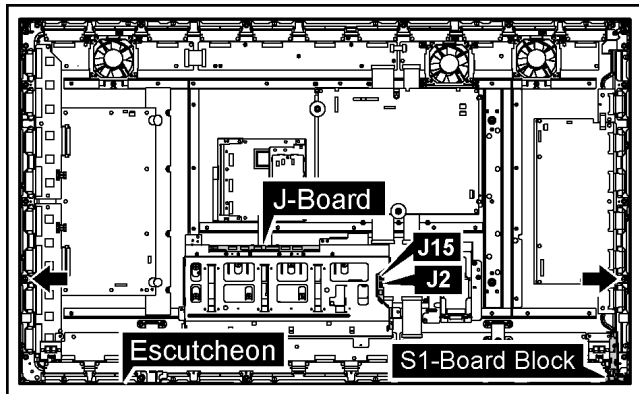
4. Reassemble the Fans in reverse order.
5. Stick the Cushion (Fan) around the Fan.

Note:

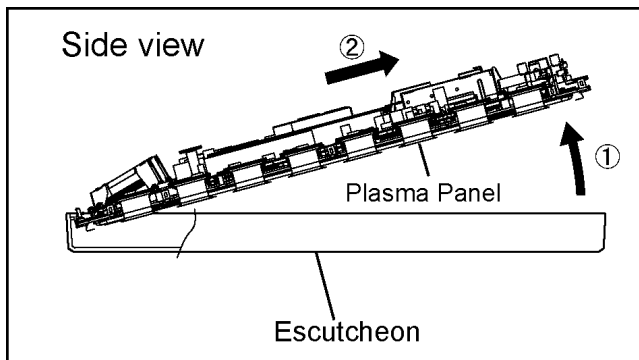
The Cushion (Fan) are unsuitable to reuse.
Please use a new one at the time of Fan exchange.

6.19. Removal of the Escutcheon

1. Remove the S1-Board Block.
(Reference to Removal of the S1-Board)
2. Disconnect the couplers(J2, J15).
3. Remove the 2 screws of the Escutcheon.

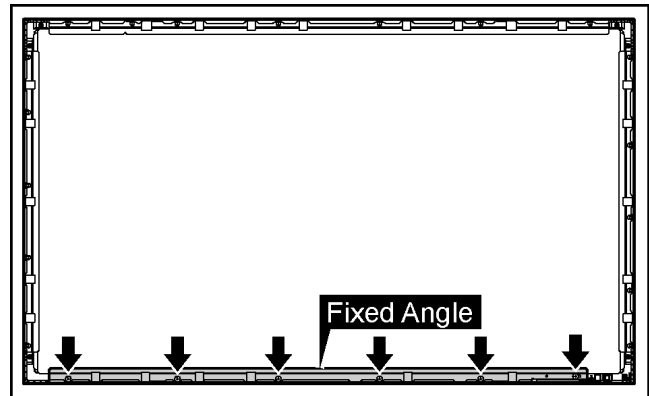


4. Pull the bottom of the Plasma Panel forward (arrow1).
5. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).

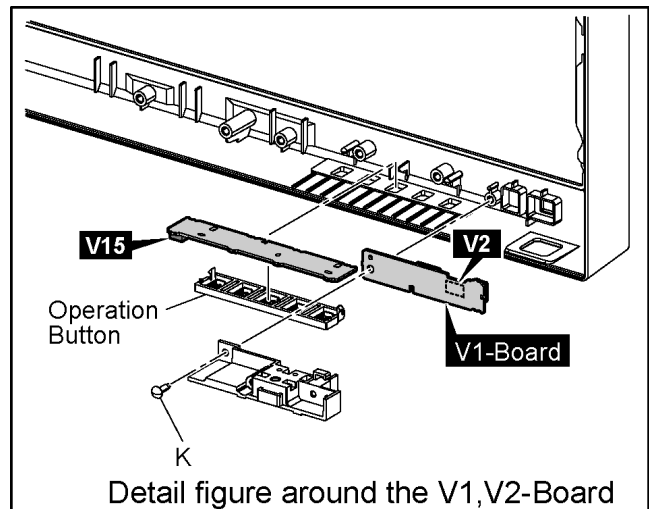


6.20. Removal of the V1-Board and the V2-Board

1. Remove the Escutcheon.
(Reference to Removal of the Escutcheon)
2. Remove the 6 screws and then remove the Fixed Angle.

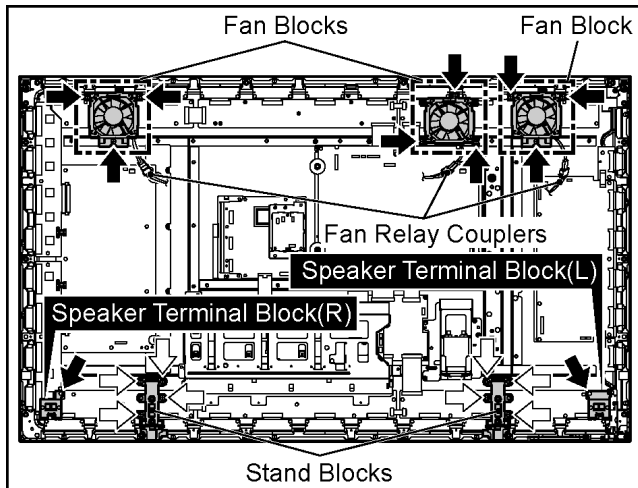


3. Remove the 1 screw(K).
4. Disconnect the coupler(V2) and then remove the V1-Board.
5. Remove the operation button from the V2-Board.
6. Disconnect the coupler(V15) and then remove the V2-Board.

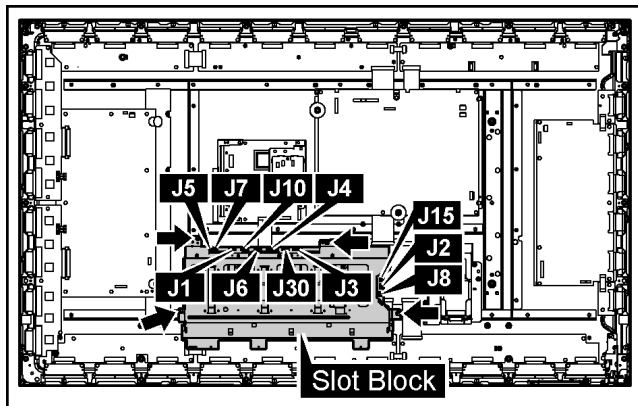


6.21. Removal of the Plasma Panel

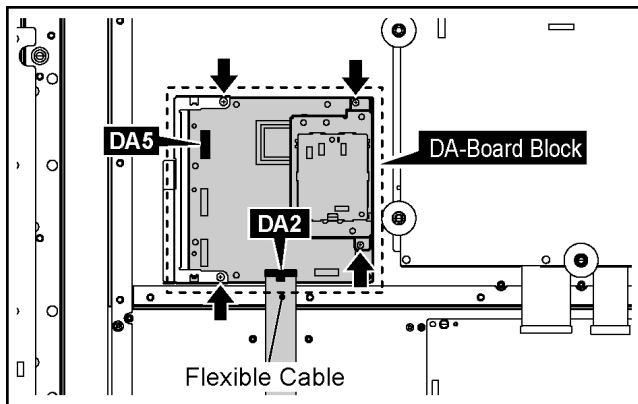
1. Disconnect the Fan Relay Couplers.
2. Remove 3 screws each (⬆) and then remove the 3 Fan Blocks.
3. Remove 4 screws each (⬆) and then remove the Stand Black(L, R).
4. Remove 1 screws each (⬆) and then remove the Speaker Terminal Black(L, R).



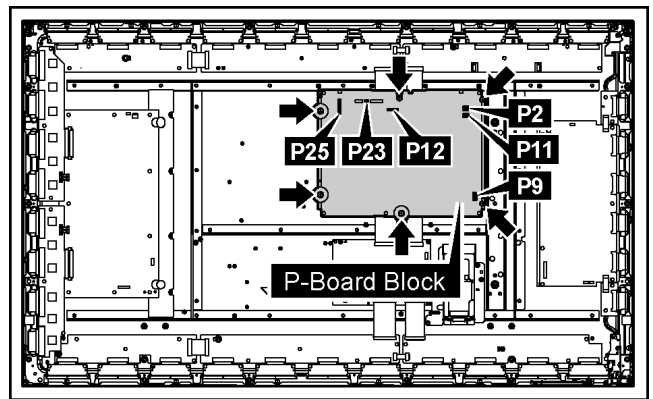
5. Disconnect the couplers(J1, J2, J3, J4, J5, J6, J7, J8, J10, J15, J30).
6. Remove the 4 screws and then remove the Slot Block.



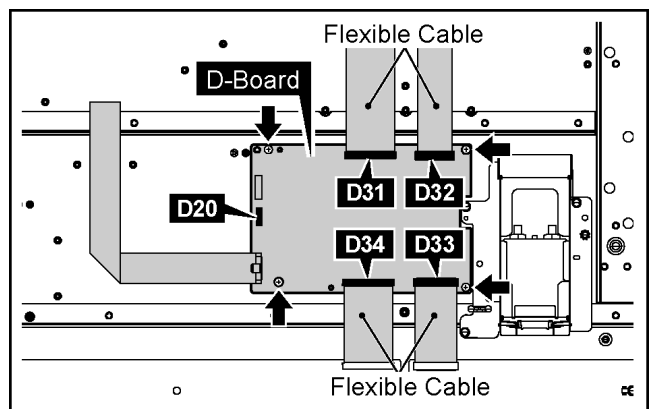
7. Disconnect the coupler(DA5).
8. Remove the Flexible Cable from the coupler(DA2).
9. Remove the 4 screws and then remove the DA-Board Block.



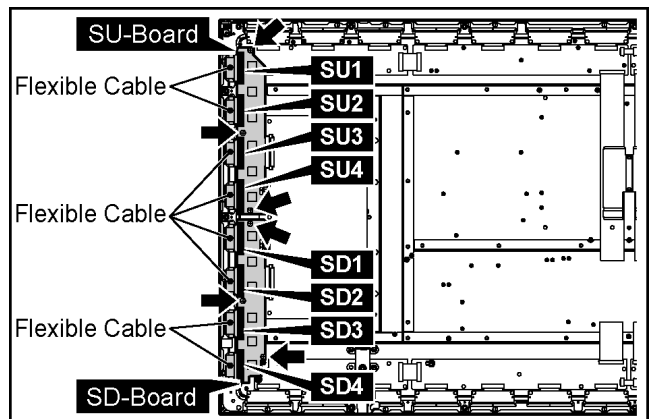
10. Disconnect the couplers(P2, P9, P11, P12, P23, P25).
11. Remove the 6 screws (⬆) and then remove the P-Board.



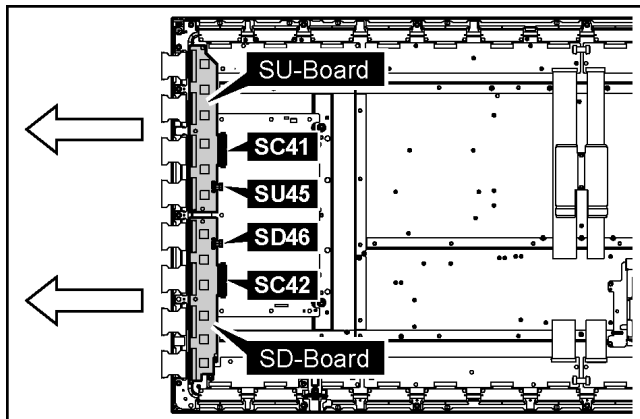
12. Disconnect the coupler(D20).
13. Remove the Flexible Cable from the couplers(D31, D32, D33, D34).
14. Remove the 4 screws and then remove the D-Board.



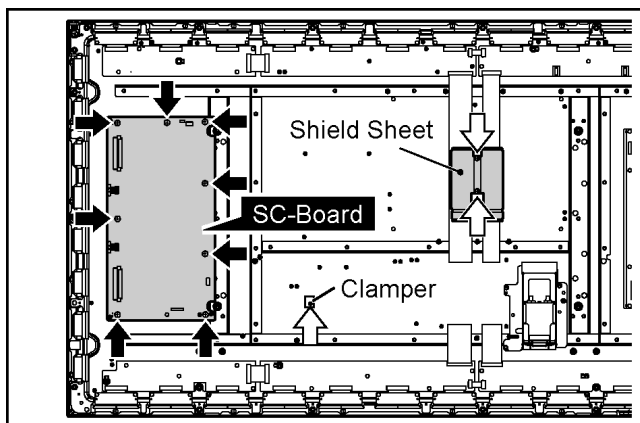
15. Remove the Flexible Cable from the couplers(SU1, SU2, SU3, SU4, SD1, SD2, SD3, SD4).
16. Remove the 6 screws.



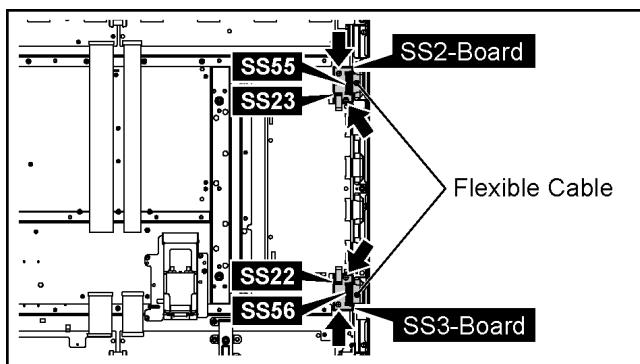
17. Disconnect the couplers(SU45, SD46).
18. Slide the SU-Board and the SD-Board to the left, remove the SU-Board and the SD-Board from the couplers(SC41, SC42).



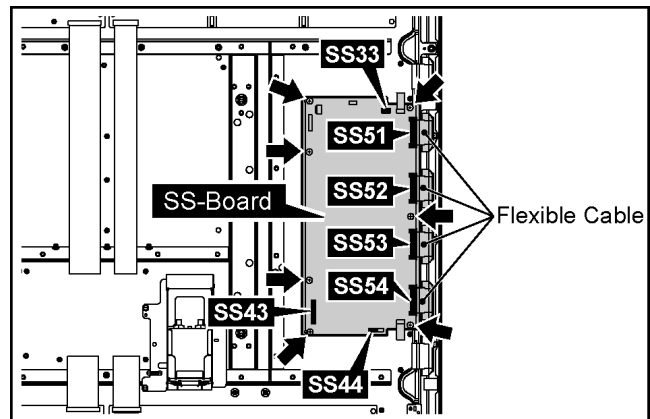
19. Remove the 2 screws and (⇩) then remove the Clamper and the Shield Sheet.
20. Remove the 9 screws and (⇩) then remove the SC-Board.



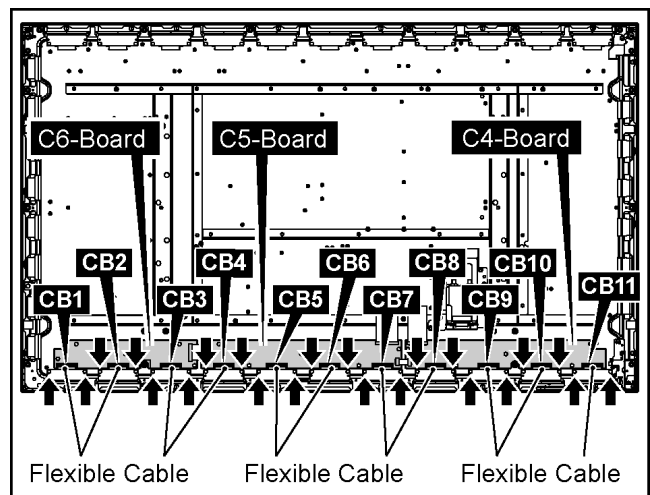
21. Disconnect the couplers(S22, S23).
22. Remove the Flexible Cable from the couplers(S55, S56).
23. Remove 2 screws each and then remove the SS2-Board and the SS-3Board.



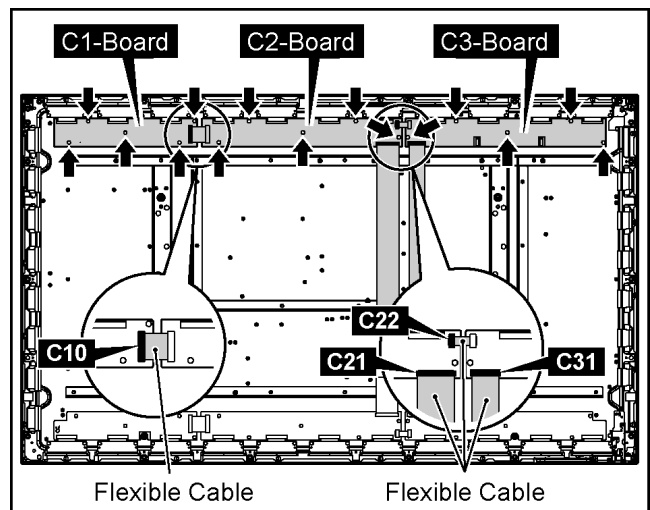
24. Disconnect the couplers(SS33, SS43, SS44).
25. Remove the Flexible Cable from the couplers(SS51, SS52, SS53, SS54).
26. Remove the 7 screws and then remove the SS-Board.



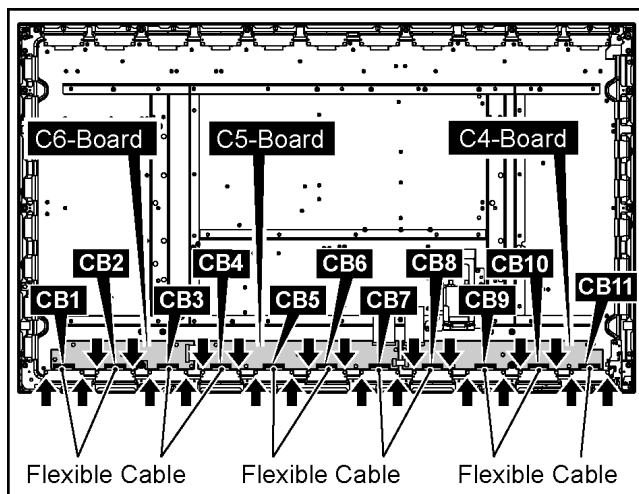
27. Remove the 22 screws.
28. Remove the Flexible Cable from the couplers(CA1, CA2, CA3, CA4, CA5, CA6, CA7, CA8, CA9, CA10, CA11).



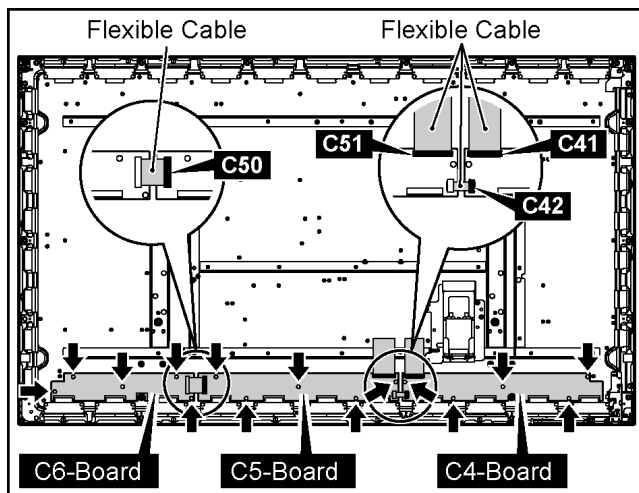
29. Remove the Flexible Cable from the couplers(C10, C21, C31).
30. Remove 5 screws each and then remove the C1-Board, the C2-Board and the C3-Board.



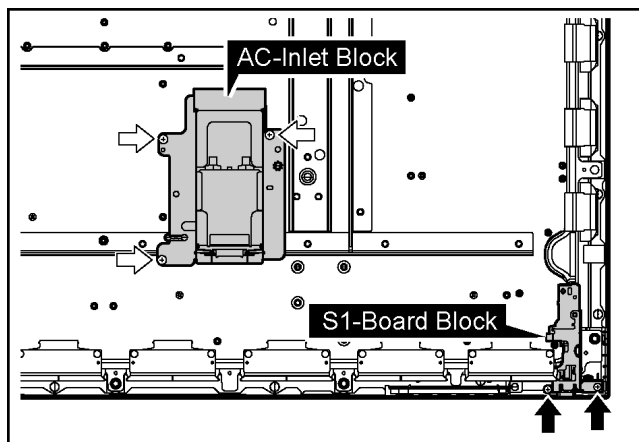
31. Remove the 22 screws
32. Remove the Flexible Cable from the couplers(CB1, CB2, CB3, CB4, CB5, CB6, CB7, CB8, CB9, CB10, CB11).



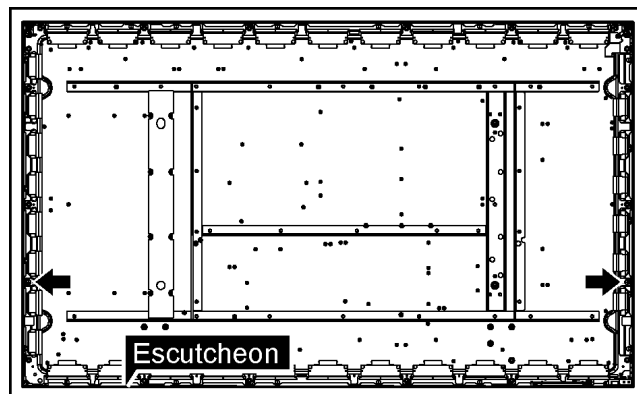
33. Remove the Flexible Cable from the couplers(C41, C42, C50, C51).
34. Remove 5 screws each and then remove the C4-Board, the C5-Board and the C6-Board.



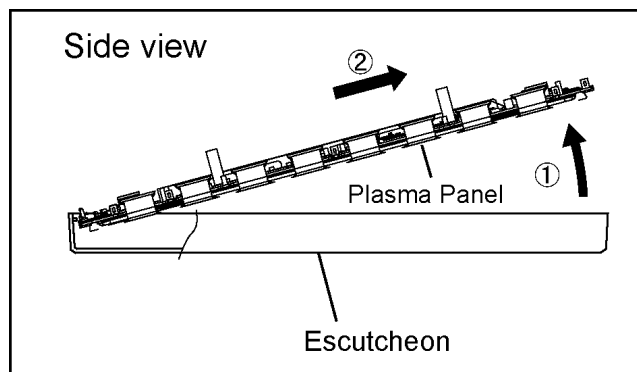
35. Remove the 2 screws and then remove the S1-Board Block.
36. Remove the 3 screws and then remove the AC-Inlet Block.



37. Remove the 2 screws of the Escutcheon.



38. Pull the bottom of the Plasma Panel forward (arrow1).
39. Slide the Plasma Panel and then remove the Plasma Panel (arrow2).

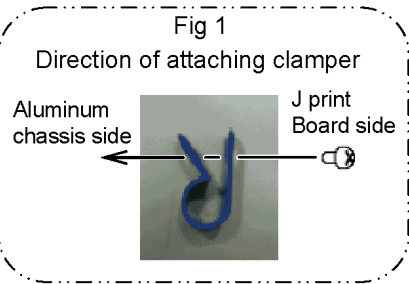


7 Location of Lead Wiring

7.1. Location of Lead Wiring (1)

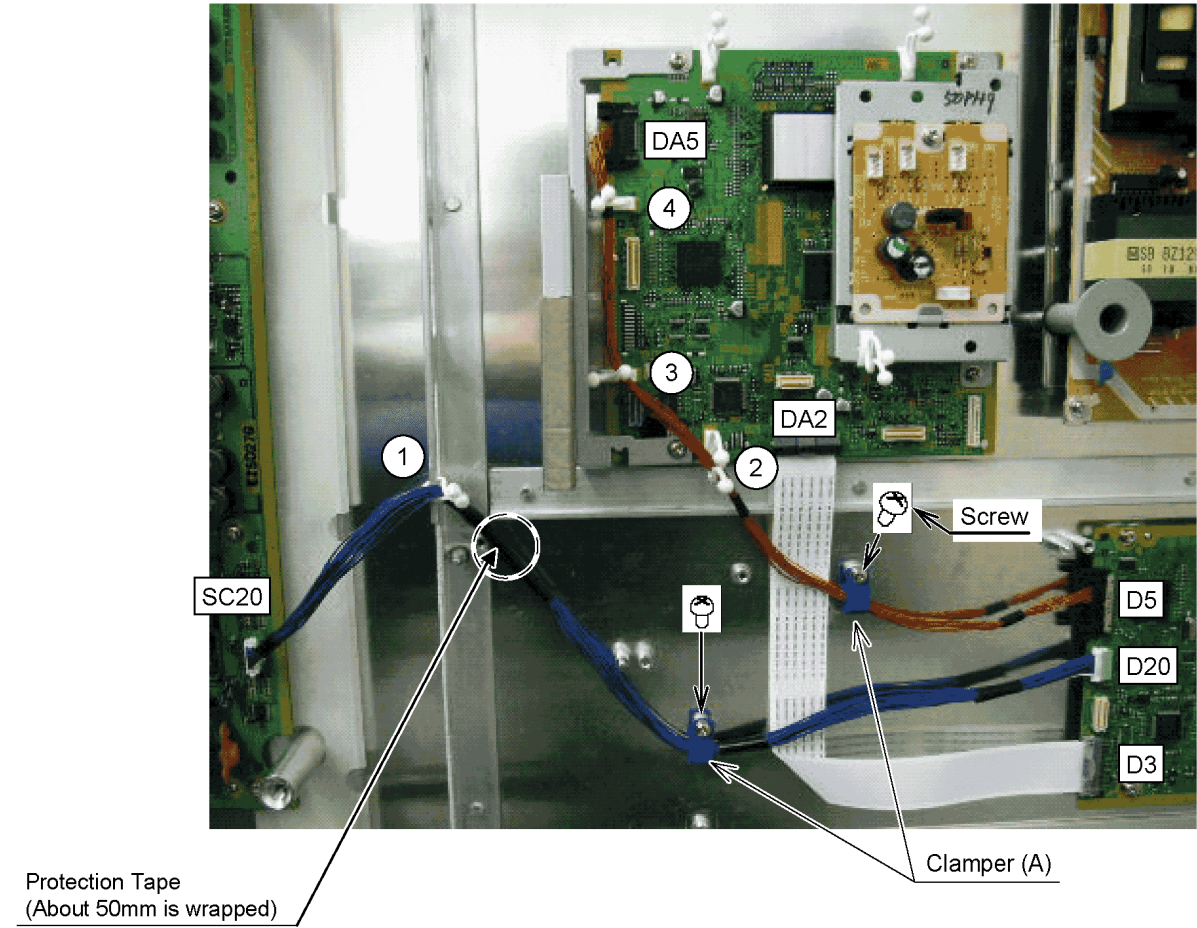
Clamper (A) stops as shown in the figure 1 below.

Note : Don't clamp the ② clamper and the ③ clamper. (The lead is only passed.)



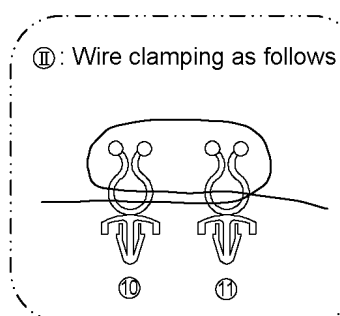
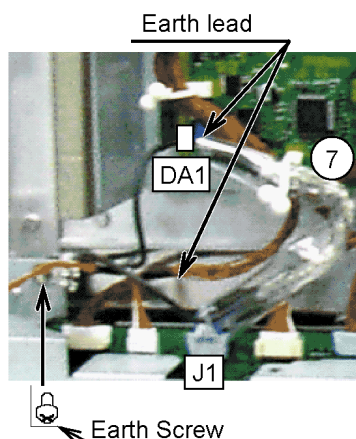
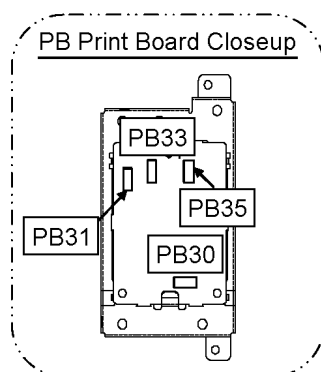
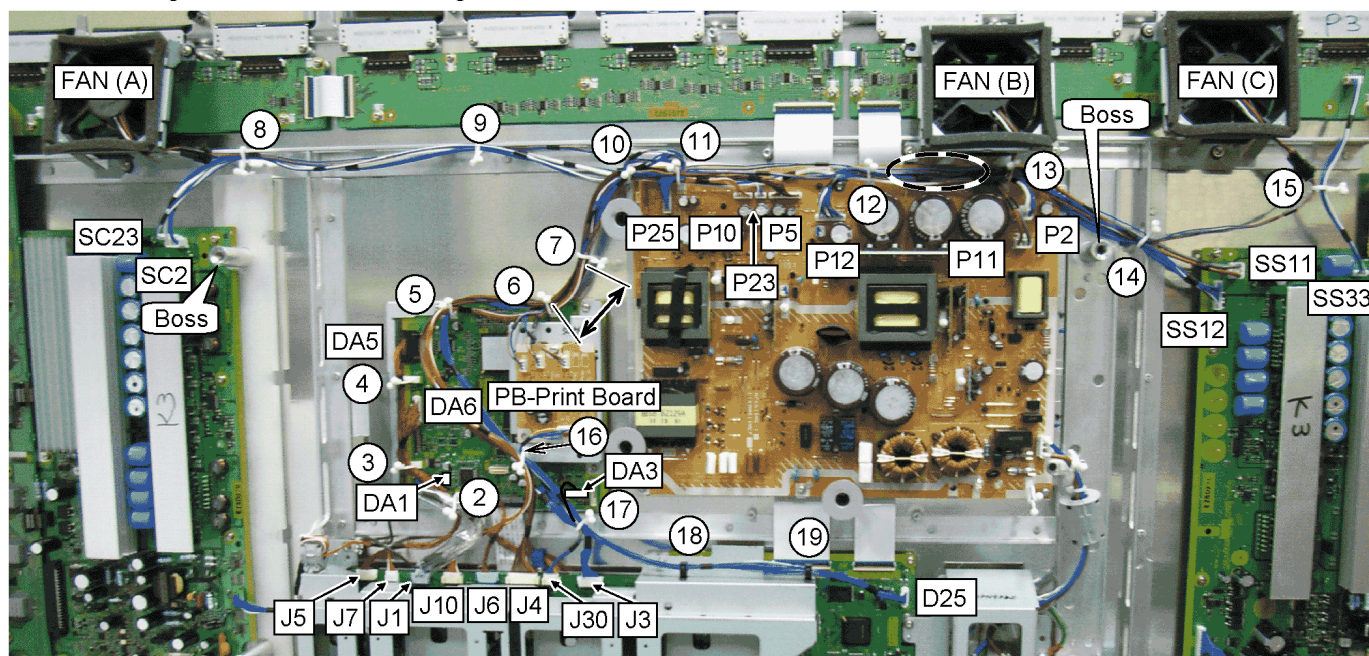
Clamp position

CON:No - CON:No	①	②	③	④
D20 - SC20	○			
D5 - DA5		○	○	○



7.2. Location of Lead Wiring (2)

The lead wiring is dressed as shown in figure.



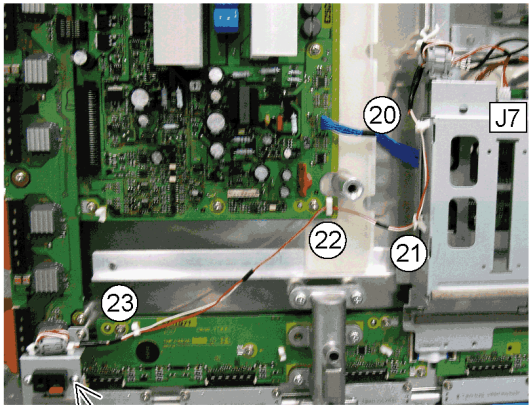
Note: With two earth leads thing to tighten both Slot Blok.

Clamp position

CON:No - CON:No	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱
SC2 - P2							○	○	○	○	○	○					
SC23 - P23							○	○	○	○							
SS12 - P12											○	○	○				
SS11 - P11											○	○					
P25 - D25				○	○	○			○	○					○	○	○
P10 - J10				○	○	○			○	○					○		
P5 - J4				○	○	○			○	○					○		
DA5 - D5	○	○	○														
DA6 - J5	○	○															
DA6 - J6	○	○															
DA1 - J1	○																
J3 - DA3																○	
J30 - PB30															○	○	
FAN(A) - PB31					○	○	○	○	○	○							
FAN(B) - PB33					○	○			Ⓜ	Ⓜ	○	○					
FAN(C) - PB35					○	○			Ⓜ	Ⓜ	○	○	○	○			
C33 - SS33														○			

7.3. Location of Lead Wiring (3)

The lead wiring is dressed as shown in figure.



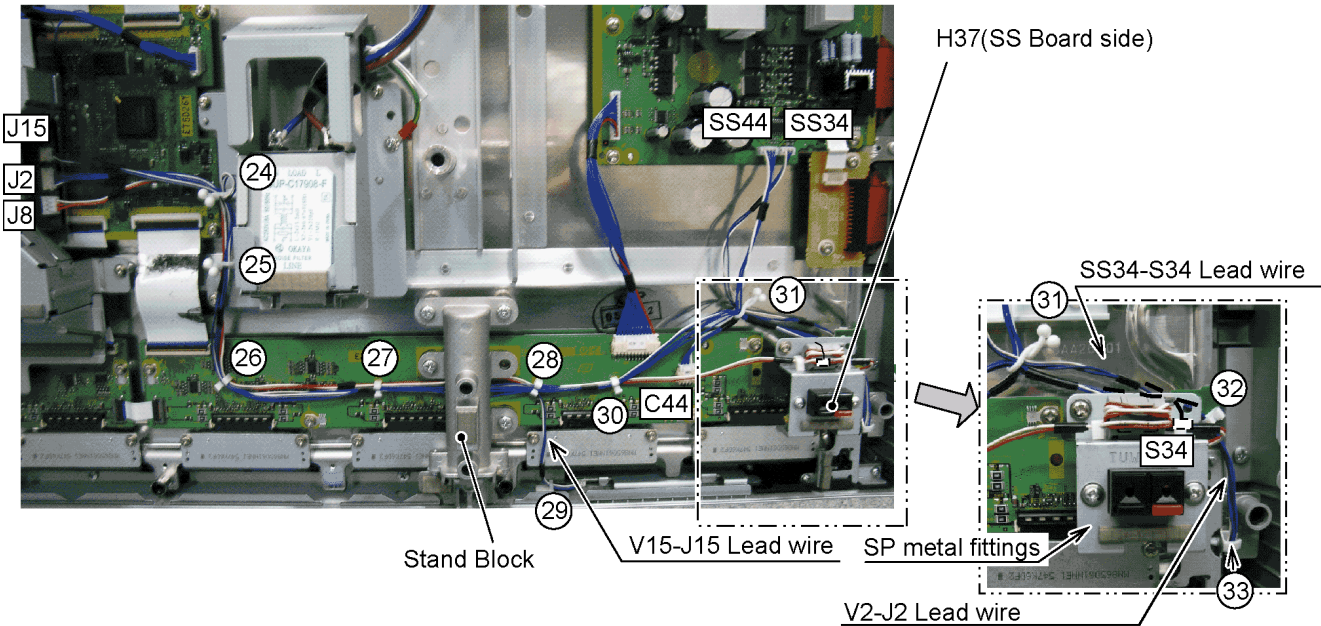
H37(SC Board side)

Clamp position

CON:No - CON:No	20	21	22	23
J 7 - H37(SC Board side)	○	○	○	○

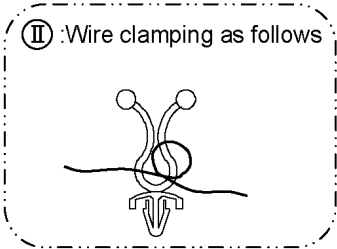
7.4. Location of Lead Wiring (4)

The lead wiring is dressed as shown in figure.



Clamp position

CON:No - CON:No	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
V15 - J15 (V2 Print Board)	Ⅱ	○	○	○	○	○				
V2 - J 2 (V1 Print Board)	○	○	○	○	○		○	○	○	○
J8 - H37 (SS Board side)	○	○	○	○	○	○				
SS44 - C44								○		
SS34 - S34								○		



8 Adjustment Procedure

8.1. Driver Set-up

8.1.1. Item / Preparation

1. Input a white signal of the RGB signal generator.

Aging pattern : 0

2. Set the picture adjustment items as follows.

- Picture menu : Standard
- Color temperature : Normal
- Picture : 25
- Aspect : Full

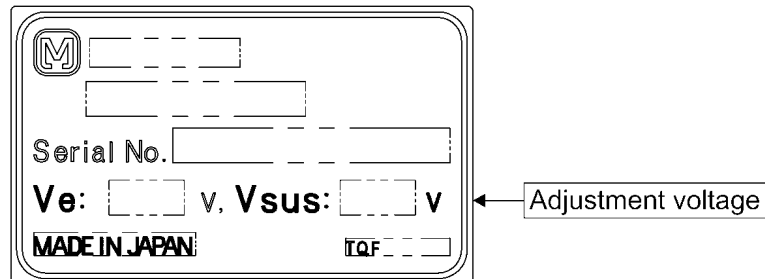
8.1.2. Adjustments

Adjust driver section voltages referring the panel data on the panel data label.

Name	Test Point	Voltage	Volume	Remarks
Vsus	TPVSUS (SS)	$V_{sus} \pm 2V$	VR251 (P)	*
Ve	TPVE (SS)	$V_e \pm 1V$	VR6000 (SS)	*
Vda	TPVDA (SS)	$75V \pm 1V$	Fixed	
Vad	TPVAD (SC)	$-105V \pm 1V$	VR6600(SC)	
Vscn	TPVSCN (SC)	$V_{ad} + 140V \pm 4V$	Fixed	
Vset	TPVSET (SC)	$280V \pm 7V$	Fixed	

*See the Panel label.

Panel Label information



Caution

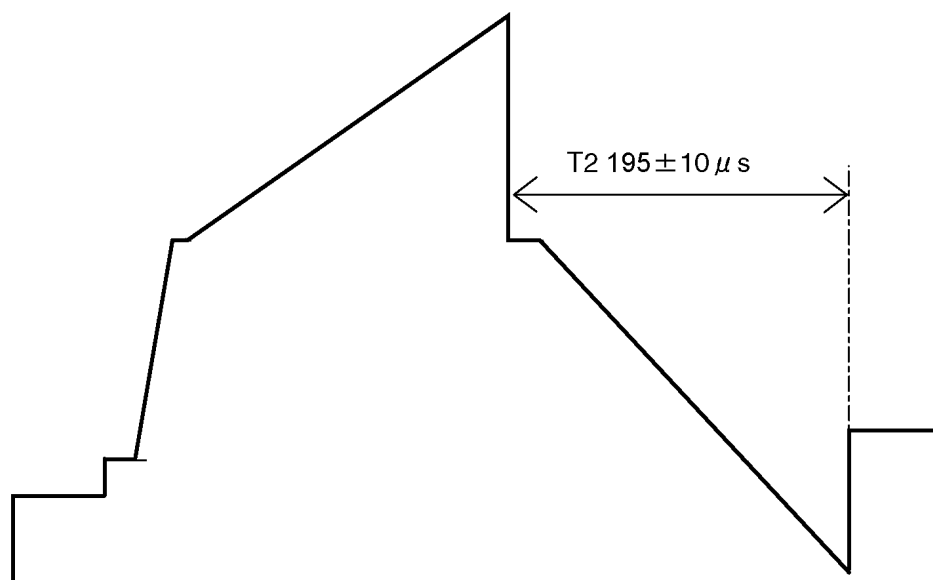
1. First perform Vsus voltage adjustment.
2. Confirmation of Vscn voltage should be performed after confirmation of Vad voltage adjustment.
When Vad = -105V, Voltage of Vscn is 35V $\pm$ 4V.

8.2. Initialization Pulse Adjust

1. Input a white signal to plasma video input.
2. Set the picture adjustment items as follows.
 - Picture menu : Standard
 - Color temperature : Normal
 - Picture : 25
 - Aspect : Full
3. Connect Oscilloscope to TPSC1 (T2) and adjust VR6602 for $195 \pm 10 \mu\text{Sec}$.

	Test point	Volume	Level
T2	TPSS1 (SS)	VR6602(SC)	$195 \pm 10 \mu\text{Sec}$

TPSC1



8.3. P.C.B. (Printed Circuit Board) Remove

8.3.1. Caution

1. To remove P.C.B. , wait 1 minute after power was off for discharge from electrolysis capacitors.

8.3.2. Quick adjustment after P.C.B. Remove

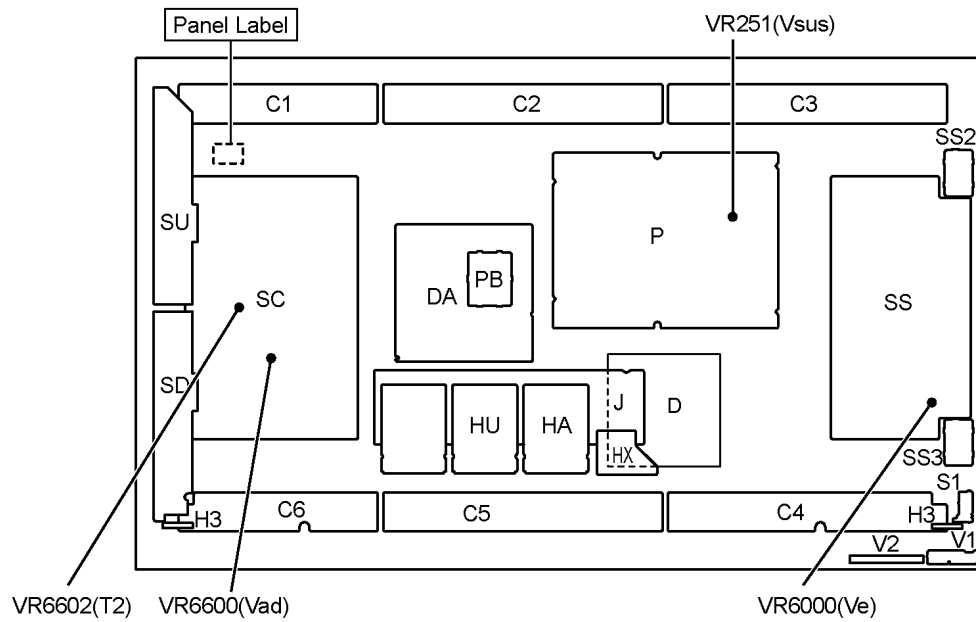
P.C.B.	Name	Test Point	Voltage	Volume	Remarks
P Board	Vsus	TPVSUS	$V_{\text{sus}} \pm 2\text{V}$	VR251 (P)	*
SC Board	Vad	TPVAD	$-105\text{V} \pm 1\text{V}$	VR6600 (SC)	
	Vscn	TPVSCN	$V_{\text{ad+}} 140\text{V} \pm 4\text{V}$	Fixed	
	Vset	TPVSET	$280\text{V} \pm 7\text{V}$	Fixed	
SS Board	Ve	TPVE	$V_{\text{e}} \pm 1\text{V}$	VR6000 (SS)	*
	Vda	TPVDA	$75\text{V} \pm 1\text{V}$	Fixed	
D, J Board	White blance, Pedestal and Sub brightness for NTSC, PAL, HD, PC and 625i signals				
DA Board	Set Market Select Number to correct destination by Ms mode (See chap. 9.1.4)				

*See the Panel label.

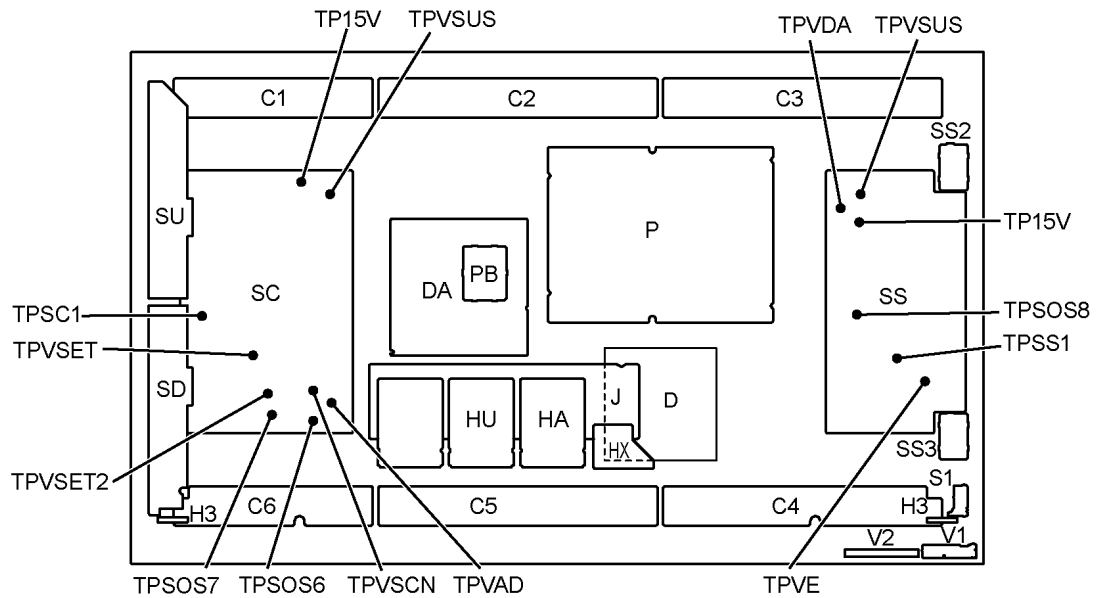
Caution:

Absolutely do not reduce Vsus below Ve not to damage the P.C.B.

8.4. Adjustment Volume Location



8.5. Test Point Location



9 Service mode

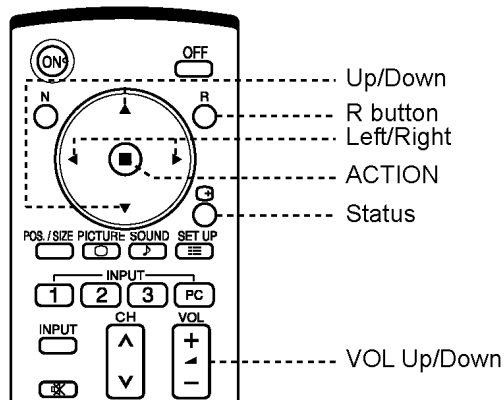
9.1. CAT (computer Aided Test) mode

CAT mode menu

CAT panel sys. 8. 2		
IIC Mode	←	
CD Mode	←	
SD Mode	←	
MS Mode	←	
ID Mode	←	

Mode	Function	Access button
IIC	Service Alignment	Action
CD(Complete Diagnostics)	Software version information EEPROM edit	Mute more than 5 seconds
SD(Status Display)	MTBF parameter	Action
MS Mode	Market Select	Mute more than 5 seconds
ID Mode	LSI Check	Mute more than 5 seconds

Remote control



How to access the CAT mode.

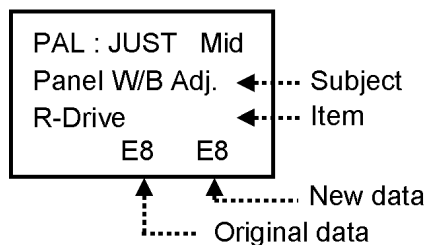
Press and the hold the **Volume down / - button** on the front panel of the unit and press the **status button** on the remote control 3 times quickly within 2 seconds, this will place the unit into the CAT mode.

To exit the **CAT mode**, access the **ID mode** and switch off the main power.

9.1.1. IIC mode

Select the IIC mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

OSD



How to use the IIC mode.

1. Select the alignment **Subject** by **Up/Down buttons** on the remote control.
2. Select the alignment **Item** by **Left/Right buttons** on the remote control.
3. Adjust **optimum setting** by **Volume Up/Down buttons** on the remote control.
4. The **data is memorized** when press the **R button** on the remote control or change the alignment Subject (or Items).

Subject and item are mentioned on "IIC mode structure".

To exit the IIC mode, press the **R button** on the remote control.

9.1.2. CD mode

Select the CD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.

CD	
MONITOR-MCU	PM0. 3000S9 OK
MONITOR-EEPROM DA	0. 20 1 86 66
MONITOR-EEPROM H	— — — —
MONITOR-FPGA	200
MONITOR-EEPROM Change Addr	00 01
Data	01 01
PANEL-MCU	1 08
PANEL-EEPROM	10 01
PANEL-FPGA	11 00
PANEL-PDROM	10 09
PTCT	00. 00. 00. 00.

----- Factory use

----- New data

----- SOS history

----- Original data

Micom software version (IC9702), this version can be upgrade by

1. replace of new version IC
2. Loading the new version software from loader tool, TZSC07036.

Memory data change

Address ----- Change by **Up/Down buttons** on the remote control.

Change by **Left/Right buttons** on the remote control.

Data ----- Change by **VOL Up/Down buttons** on the remote control.

The data is memorized when switch off the main power.

To exit the CD mode, press the **R button** on the remote control.

9.1.3. SD mode

Select the SD mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Action button** on the remote control.

OSD

SD	
Input command check	66 66 39 FF 27 24 24 24 24 24 24 24 66 66 66 66 66 66 66 66
MTBF Parameter	WT 19 PT 6
Remote Control Mode	A B

----- History of remote control command. (Factory use).

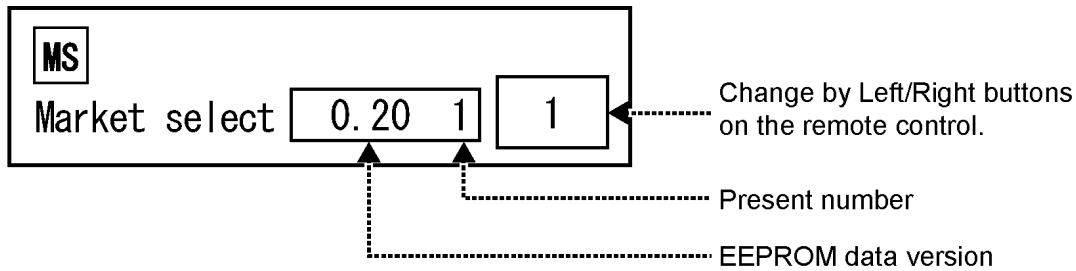
----- Cumulative Time for power on condition. (unit :hour)

----- Counter of power on. (unit :time)

To exit the SD mode, press the **R button** on the remote control.

9.1.4. MS mode

Select the MS mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.



To exit the MS mode, press the **R button** on the remote control.

Caution:

Market Select should be set after exchange of DA-Board.

Destination number

Number	Destination	Number	Destination
0	Japan	14	Thailand (Hotel)
1	North America	15	--
2	Europe	16	Mexico
3	Others	17	Mexico (Hotel)
4	Britain	18	China
5	Taiwan	19	China (Hotel)
6	Thailand	20	--
7	--	21	--
8	Japan (Hotel)	22	--
9	North America (Hotel)	23	--
10	Europe (Hotel)	24	--
11	Others (Hotel)	25	--
12	Britain (Hotel)	26	--

Default setting

Number	Destination
1	North America

9.1.5. ID mode

Select the ID mode by **Up/Down button** on the remote control at the front page of CAT mode and then press the **Mute button** on the remote control more than 5 seconds.

ID

IIC1

IIC2

IIC3

IIC4

DA

IC4703

OK

H90

IC4001

OK

H61

IC4201

OK

H56

IC4501

OK

H53

D

PANEL

OK

J

IC8181

OK

H51

IC3001

OK

H22

IC3003

OK

H63

IC3004

OK

H64

IC3005

OK

H65

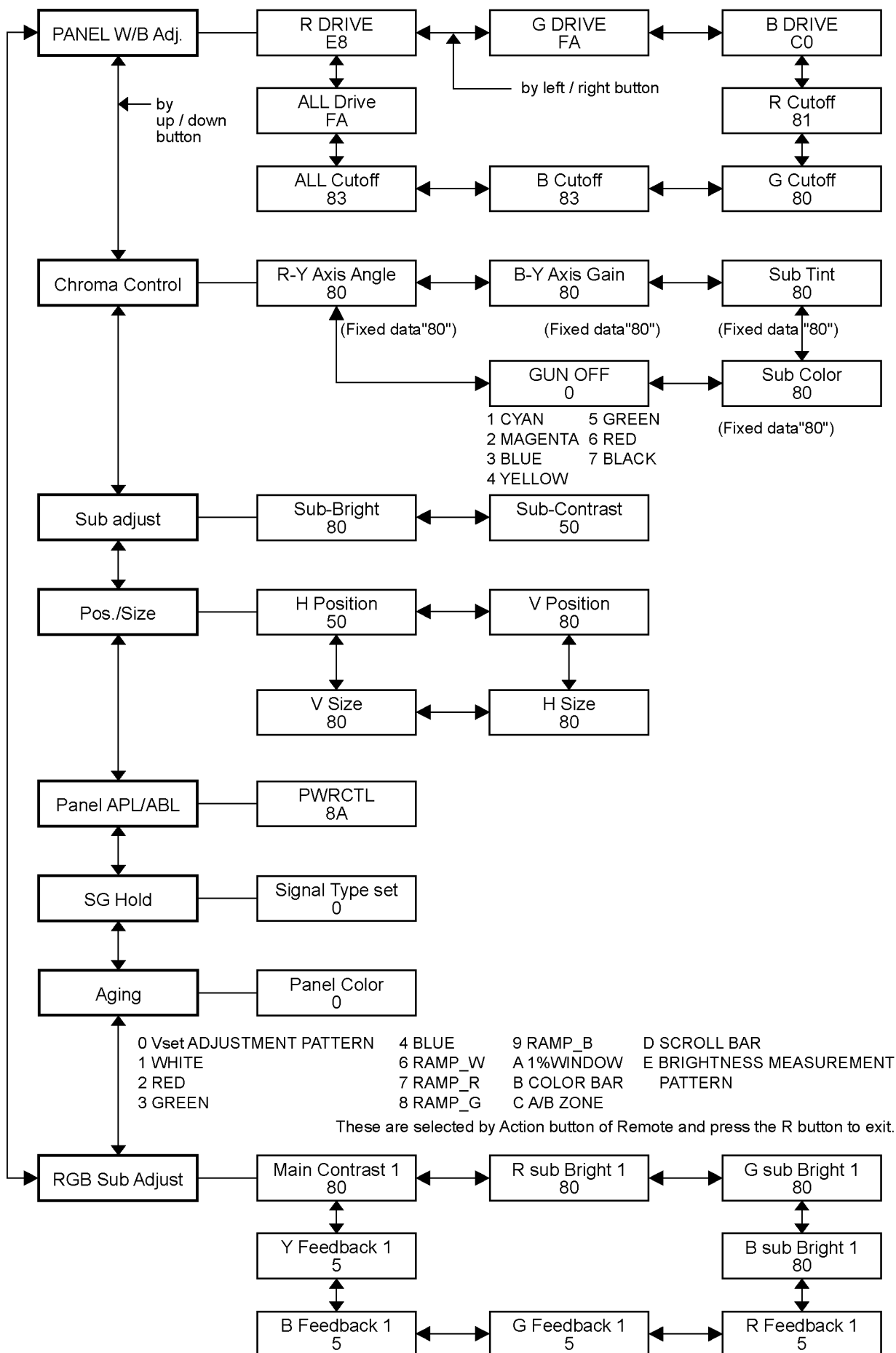
IC2303

OK

H21

To exit the ID mode, press the **R button** on the remote control.

9.2. IIC mode structure (following items value is sample data.)



10 Adjustment

10.1. RGB white balance adjustment

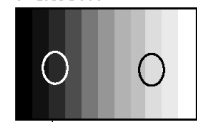
Instrument Name	Connection	Remarks												
- RGB VGA W/B pattern - Color analyzer (Minolta CA-100 or equivalent)	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
- Ensure aging is adequate. - Make sure the front panel to be used on the final set is fitted. - Make sure a color signal is not being shown before adjustment. - Put the color analyzer where there is little color variation. - Set COMPONENT/RGB-IN SELECT to RGB. - Select the IIC mode "PANEL W/B Adj." item. - Check that the color temperature is "COOL (High)". - Output a white balance pattern. - Touch the signal receiver of color analyzer to the highlight window's center. - Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Set color temperature to "NORMAL (Medium)". - Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Set color temperature to "WARM(Low)". - Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Copy the R drive, G drive and B drive data in NTSC, PAL DVI region. Table 1 W/B adjustment values <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> Adjustment target Hi-light: $x \pm 0.003$ $y \pm 0.003$ Hi-light is target of the number at drive adjustment in the hi-light windows. Therefore, it is not target of the hi-light number at after adjustment white balance.		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal - Highlight section Signal amplitude 75% RGB VGA W/B Pattern  High light 75% Low light 15% - Cutoff standard G: 80h - Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 2 Drive data addresses (PC/RGB)

Color temperature	R	G	B
High	A0-11AD	A0-11AE	A0-11AF
Medium	A0-11B0	A0-11B1	A0-11B2
Low	A0-11B3	A0-11B4	A0-11B5

Table 3 Drive data addresses (NTSC)

Color temperature	R	G	B
High	A0-1180	A0-1181	A0-1182
Medium	A0-1183	A0-1184	A0-1185
Low	A0-1186	A0-1187	A0-1188

Table 4 Drive data addresses (PAL)

Color temperature	R	G	B
High	A0-1189	A0-118A	A0-118B
Medium	A0-118C	A0-118D	A0-118E
Low	A0-118F	A0-1190	A0-1191

Table 5 Drive data addresses (DVI)

Color temperature	R	G	B
High	A0-11B6	A0-11B7	A0-11B8
Medium	A0-11B9	A0-11BA	A0-11BB
Low	A0-11BC	A0-11BD	A0-11BE

10.2. HD white balance adjustment

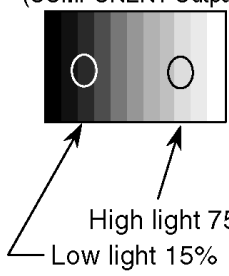
Instrument Name	Connection	Remarks												
- HD W/B pattern (COMPONENT Output) - Color analyzer (Minolta CA-100 or equivalent)	PC input Panel surface	User setting: Normal (Picture menu: Standard)												
Procedure		Remarks												
- Ensure aging is adequate. - Make sure the front panel to be used on the final set is fitted. - Make sure a color signal is not being shown before adjustment. - Put the color analyzer where there is little color variation. - Set COMPONENT/RGB-IN SELECT to COMPONENT - Select the IIC mode "PANEL W/B Adj." item. - Check that the color temperature is "COOL (High)". - Output a white balance pattern. - Touch the signal receiver of color analyzer to the highlight window's center. - Fix G drive at E0h and adjust B drive and R drive so x, y become the "Color temperature High" in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Set color temperature to "NORMAL (Medium)". - Fix G drive at E0h and adjust B drive and R drive so the highlight window's x, y becomes the "Color temperature Medium" in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Set color temperature to "WARM (Low)". - Set G drive to E0h and adjust B drive and R drive so the highlight window's x, y become the "Color temperature Low" shown in the below table. - Increase R/G/B together so the maximum drive value in R/G/B becomes FCh. - Copy the R drive, G drive and B drive data in YUV1_525ip, YUV3_625ip region. Table 6 W/B adjustment values <table border="1"> <thead> <tr> <th>Color temperature</th><th>x</th><th>y</th></tr> </thead> <tbody> <tr> <td>High</td><td>0.276</td><td>0.276</td></tr> <tr> <td>Medium</td><td>0.288</td><td>0.296</td></tr> <tr> <td>Low</td><td>0.313</td><td>0.329</td></tr> </tbody> </table> Adjustment target Hi-light: $x \pm 0.003$ $y \pm 0.003$ Hi-light is target of the number at drive adjustment in the hi-light windows. Therefore, it is not target of the hi-light number at after adjustment white balance.		Color temperature	x	y	High	0.276	0.276	Medium	0.288	0.296	Low	0.313	0.329	Picture Menu: Standard Picture: 25 Aspect: Full Position and size: Normal - Highlight section Signal amplitude 75% HD W/B Pattern (COMPONENT Output)  - Cutoff standard G: 80h - Drive standard G: E0h
Color temperature	x	y												
High	0.276	0.276												
Medium	0.288	0.296												
Low	0.313	0.329												

Table 7 Drive data addresses (YUV2_HD)

Color temperature	R	G	B
High	A0-119B	A0-119C	A0-119D
Medium	A0-119E	A0-119F	A0-11A0
Low	A0-11A1	A0-11A2	A0-11A3

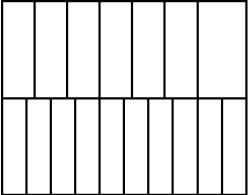
Table 8 Drive data addresses (YUV1_525ip)

Color temperature	R	G	B
High	A0-1192	A0-1193	A0-1194
Medium	A0-1195	A0-1196	A0-1197
Low	A0-1198	A0-1199	A0-119A

Table 9 Drive data addresses (YUV3_625ip)

Color temperature	R	G	B
High	A0-11A4	A0-11A5	A0-11A6
Medium	A0-11A7	A0-11A8	A0-11A9
Low	A0-11AA	A0-11AB	A0-11AC

10.3. Power control adjustment

Instrument Name	Connection	Remarks
- PC (RGB) signal generator (Leader: VGA/No.9 signal) - Wattmeter	- PC input - Connect the AC power of the adjustment set to the wattmeter.	Set "RGB" at 'COMPONENT/RGB-IN SELECT' in Setup Menu.
Procedure		Remarks
[condition] - Make sure the set is aged for 30 minutes or more before adjustment. - Voltage 120V 50/60Hz (variation within 1%) - Volume at minimum and screen size at full - PC input and picture menu at normalized Dynamic - Connect the set's AC power to the wattmeter. - Receive the VGA No.9 signal from Leader. - Select the PWRCTL item in Panel APL/ABL in the IIC mode. - Adjust PWRCTL so the set's power consumption is description below. Adjust to shift large to small for DAC. Factory adjustment with OSD 392+8/- 15W BUSCON without OSD 390+8/- 15W		 No.9 Signal Top half: Full color bar Bottom half: Horizontal 10 steps bar Notes: - When passing through factory adjustment mode, the power few watts which goes down is the consideration being completed. - Adjust the large number for DAC when they have 2 adjustment points.

11 Trouble shooting guide

11.1. Self Check

11.1.1. Display Indication

1. Self-check is used to automatically check the bus line controlled circuit of the Plasma display.
2. To get into the Self-check mode, press the **volume down** button on the customer controls at the bottom of the set, at the same time pressing the **OFF-TIMER** button on the remote control, and the screen will show :-

If the CCU ports have been checked and found to be incorrect
Or not located then " - - " will appear in place of " OK "

“ 01 “ in the line of the “ PTCT ” means the number of blinks of the Power LED is 1. (Reference to 12.1.2)

“ H09 “ in the line of the “ PTCT ” is the error code.

Note:

The line of the “ PTCT ” displays when you get into the Self-check mode for the first time only after the Power LED blinks.

ID	IIC1		IIC2		IIC3		IIC4	
DA	IC4703	OK	H90		J	IC8181	OK	H51
	IC4001	OK	H61			IC3001	OK	H22
	IC4201	OK	H56			IC3003	OK	H63
	IC4501	OK	H53			IC3004	OK	H64
D	PANEL	OK				IC3005	OK	H65
						IC2303	OK	H21
PTCT			01	H09				

11.1.2. Power LED Blinking timing chart

- ## 1. Subject

Information of LED Blinking timing chart.

- ## 2. Contents

When an abnormality has occurred the unit, the protection circuit operates and reset to the stand by mode. At this time, the defective block can be identified by the number of blinks of the Power LED on the front panel of the unit.

Blinking times	Blinking timing	Contents & Check point	Check point
1		No particular check point	—
2		15V SOS	P-Board
3		3.3V SOS	D-Board DA-Board
4		POWER SOS	P-Board
5		5V SOS	P-Board D-Board DA-Board
6		Driver SOS1	SC-Board SU-Board SD-Board
7		Driver SOS2	SC-Board SS-Board
8		Driver SOS3	SS-Board
9		Panel Config SOS	D-Board
10		PF SOS	P-Board
11		FAN SOS	PB-Board FAN

3. Remarks

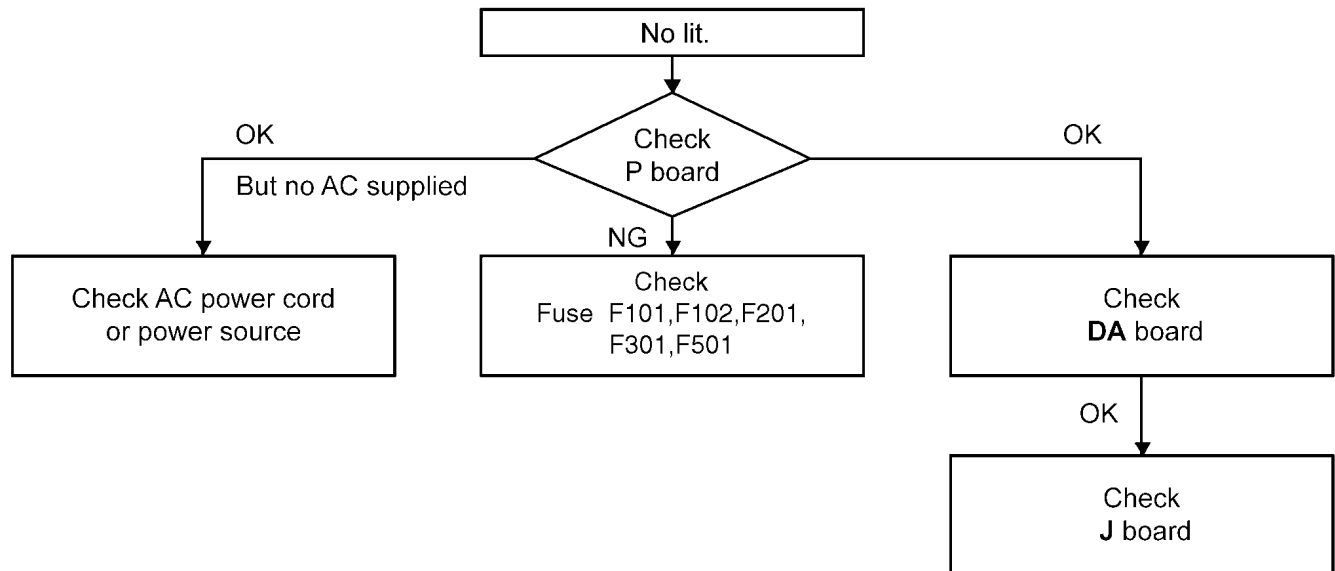
Above Fan function is operated while the fans are installed.

11.2. No Power

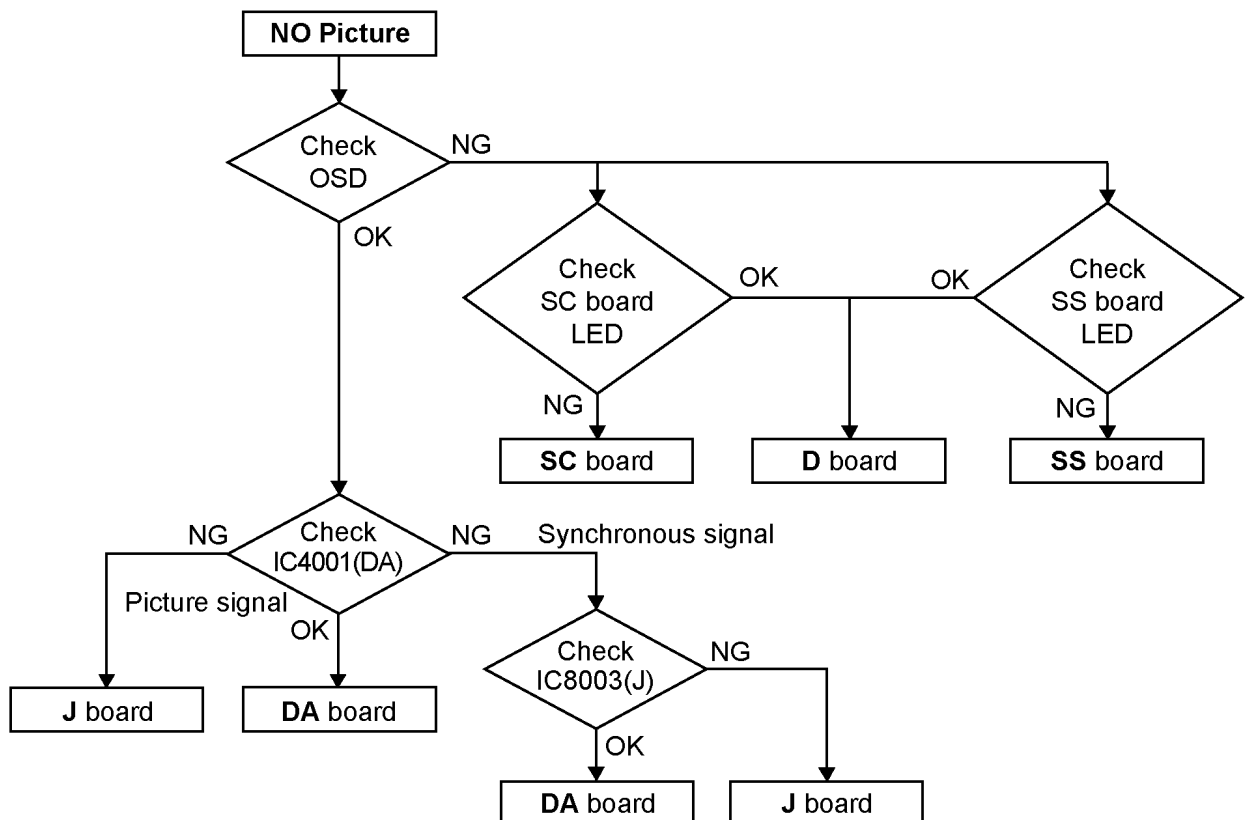
First check point

There are following 3 states of No Power indication by power LED.

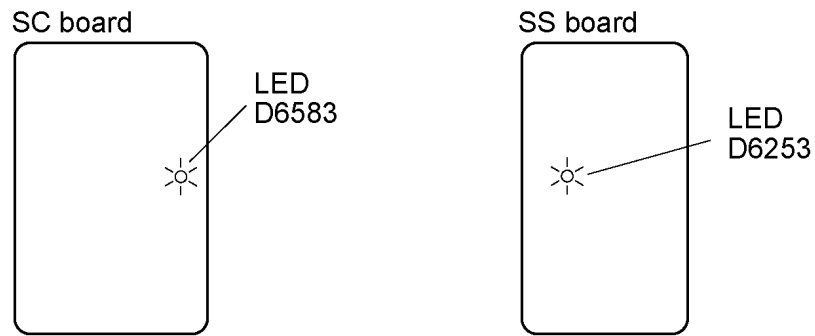
1. No lit.
2. Green is lit then turns red blinking a few seconds later.
3. Only red is lit.



11.3. No Picture

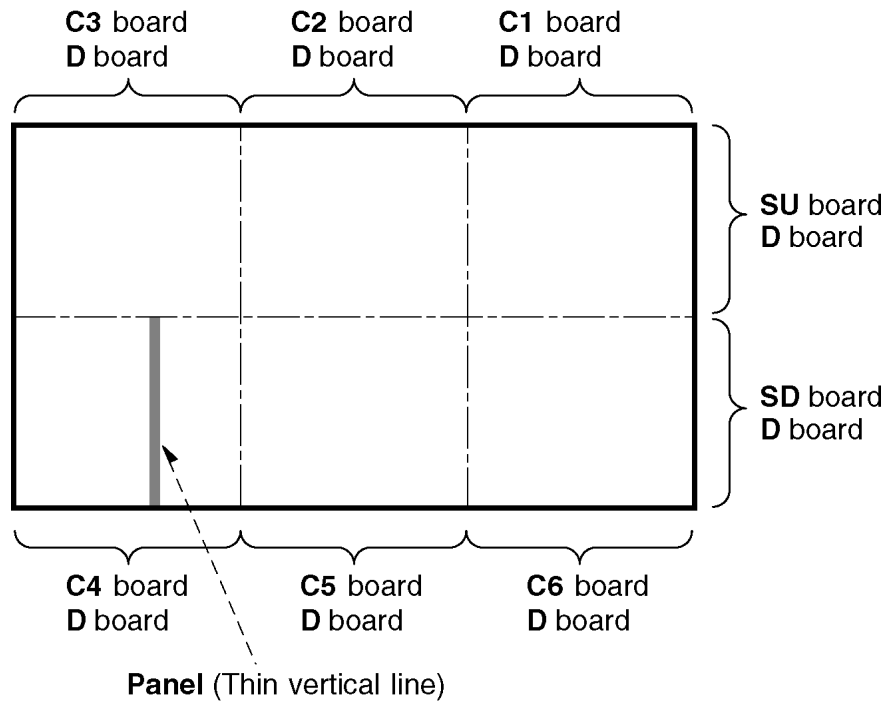


Drive circuits LED indicator



11.4. Local screen failure

Plasma display may have local area failure on the screen. Fig - 1 is the possible defect P.C.B. for each local area.



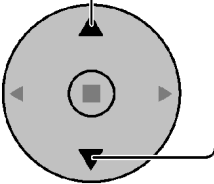
<Local screen failure chart>

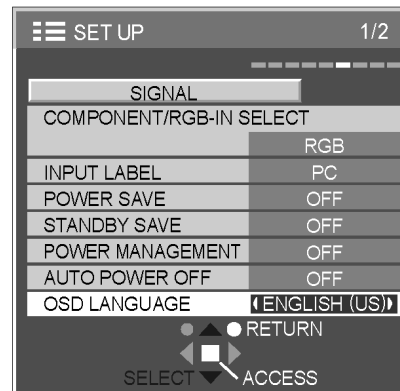
Fig - 1

12 Option Setting

How to access the Option menu

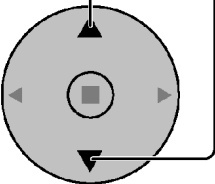
1  Press to display the Setup menu.

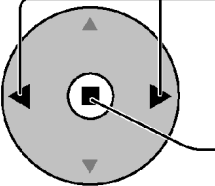
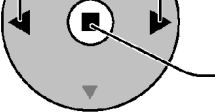
2  Press to select "OSD Language".



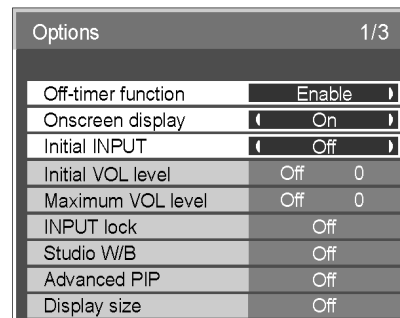
3  Press and hold until the Options menu is displayed.

Setting the Option menus

1  Press to select your preferred menu.

2  Press to adjust the menu.
 Press to confirm.

3  Press to exit from Options menu.



Option Menu for GPH9D series

GPH9D chassis series have special function and operation setting facility called Option Menu. This Option Menu is useful for special function required customers. This should be set at the installation stage.

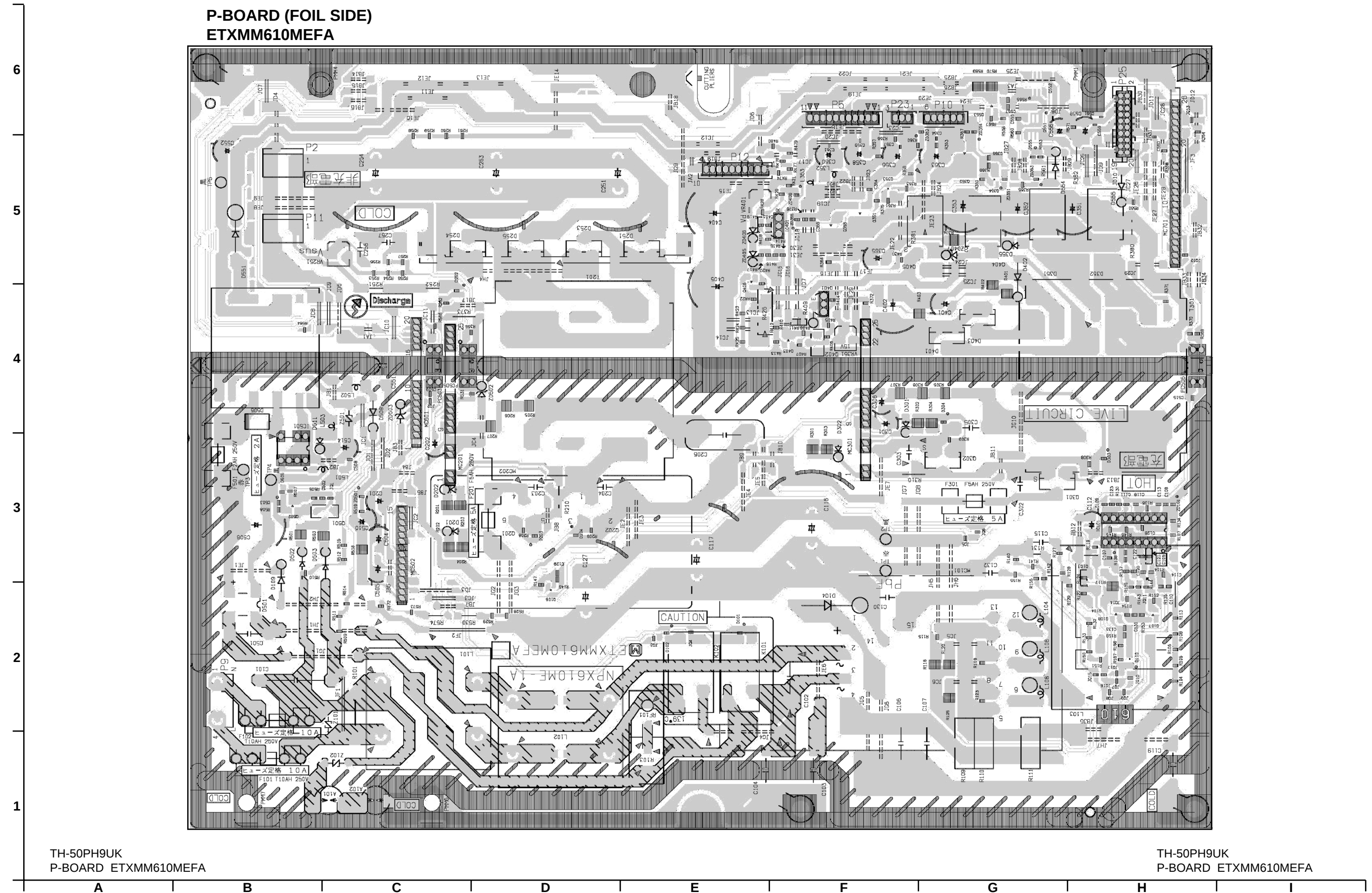
Option menus	default setting	Contents
Off-timer function	Enable	Off-timer operation Enable/Disable.
Onscreen display	On	Enable/Disable to display input mode indication after power on and no signal indication.
Initial INPUT	Off	Sets the initial input mode when the power is turned on. Allow input mode selection while power is on.
Initial VOL level	Off	Sets the initial volume level when the power is turned on. Allow Volume control while power is on.
Maximum VOL Level	Off	Sets the maximum volume to desired level. Volume cannot exceed this level.
INPUT lock	Off	Fixes the input mode to AV, Component/RGB or PC. Can not change input mode by input selection key.
Studio W/B	Off	Set warm mode color temperature to 3,200 Kelvin.
Advanced PIP	Off	Off: Sets normal two screen display mode. On: Sets Advanced PIP mode.
Display size	Off	Adjusts the image display size on screen. On: Sets the image display size approximately 95% of the normal image display.
Button lock	Off	Enable/Disable bottom operation buttons (Input, Menu, Enter and/or volume up/down)
Remocon User Level	Off	Remote key invalidation. Off: Valid key is all key of remote. User1: Valid key are only Stand-by (ON/OFF), Input, Direct input, Status, Surround, Sound mute On/Off, and volume adjustment. User2: Valid key is only Stand-by (ON/OFF). User3: All keys are null and void
ID select	0	Set ID number from 0 to 100.
Remote ID	Off	Remote ID function On/Off. (While the Remote ID on, standard remote function can not control the unit.)
Serial ID	Off	Serial ID function On/Off
Slot power	Off	Sets the slot power mode while the power is turned on. Allow Optional Terminal Board insert Slots while power is on.
V. Installation	Off	V. Installation function On/Off (Not used)
Rotate	Off	The image rotates 180 degrees (up-down)
Serial Slot Select	Slot1	Selects the slot which communicates serial. Note: The setting of an external command can be set only from the fixed serial terminal.

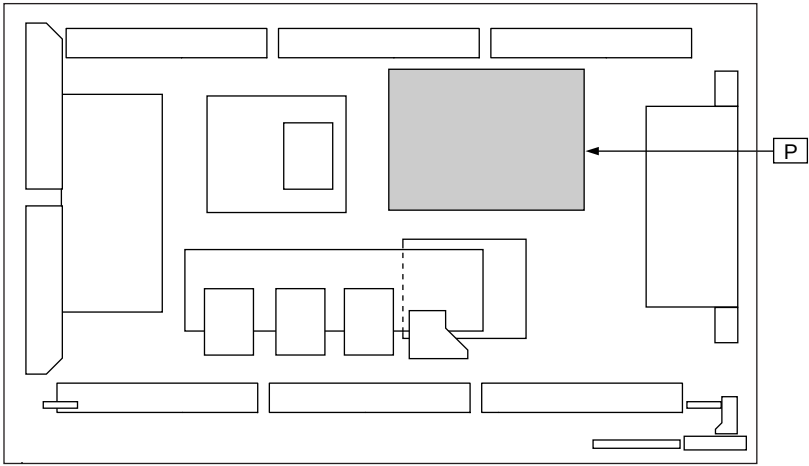
Note:

When both main unit buttons and remote control are disabled due to the "Button lock", "Remocon User level" or "RemoteID" adjustments, set all the values "Off" so that all the buttons are enabled again.

Press the "Volume down" button on main unit together with "R" button on the remote control and hold for more than 5 seconds. The "SHIPPING" menu is displayed and the lock is released when it disappears.

13.1. P-Board



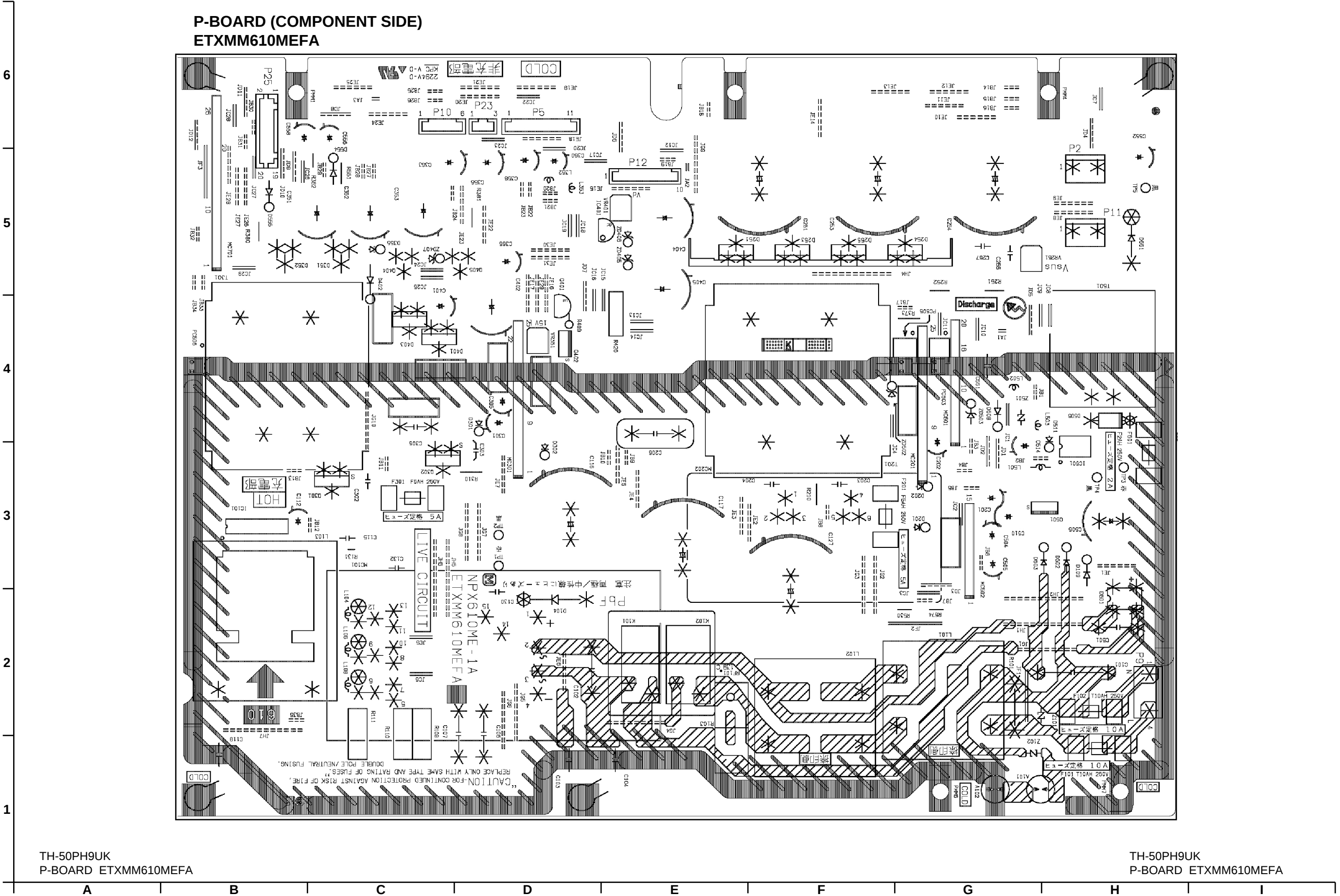


Parts Location

P-BOARD (FOIL SIDE)					
IC		TRANSISTOR			
IC101	H-3	Q103	H-2		
IC401	F-5	Q104	H-2		
IC501	B-3	Q106	H-2		
MODULE		Q301	H-3		
		Q302	G-3		
		Q351	F-5		
		Q352	G-5		
MC101	G-3	Q353	F-5		
MC201	C-3	Q354	F-4		
MC202	D-3	Q401	F-4		
MC301	F-3	Q402	G-4		
MC502	C-2	Q403	E-4		
MC601	C-4	Q404	G-5		
MC701	H-5	Q405	F-5		
PHOTO COUPLER		Q406	E-4		
		Q501	B-3		
		Q502	B-3		
		Q551	G-5		
VOLUME		Q552	G-6		
		Q553	G-6		
VR251	C-5				
VR351	F-4				
VR401	E-5				

Parts Location

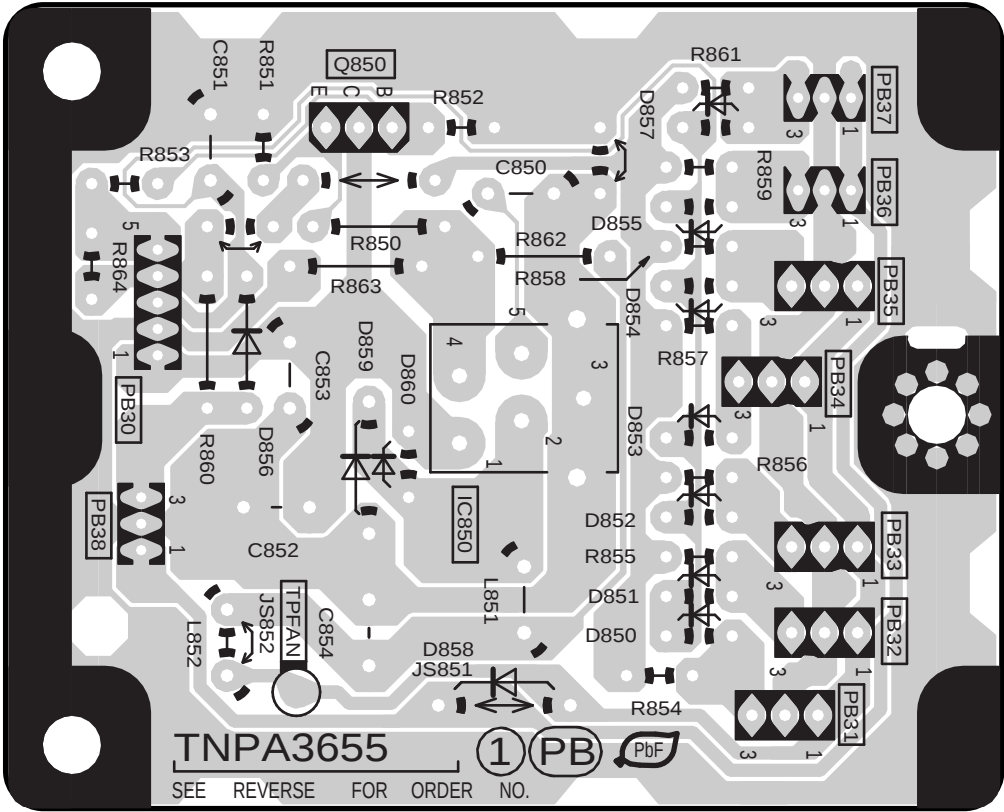
P-BOARD (COMPONENT SIDE)					
IC		PHOTO COUPLER		VOLUME	
IC101	B-3	PC503	G-4	VR251	H-5
IC401	E-5	PC505	G-4	VR351	D-4
IC501	H-3	PC506	B-4	VR401	E-5
MODULE		TRANSISTOR			
MC101	C-3	Q301	C-3		
MC201	G-3	Q302	C-3		
MC202	E-3	Q401	E-5		
MC301	D-3	Q402	D-4		
MC502	G-2	Q404	C-5		
MC601	G-4	Q405	D-5		
MC701	B-5	Q501	H-3		



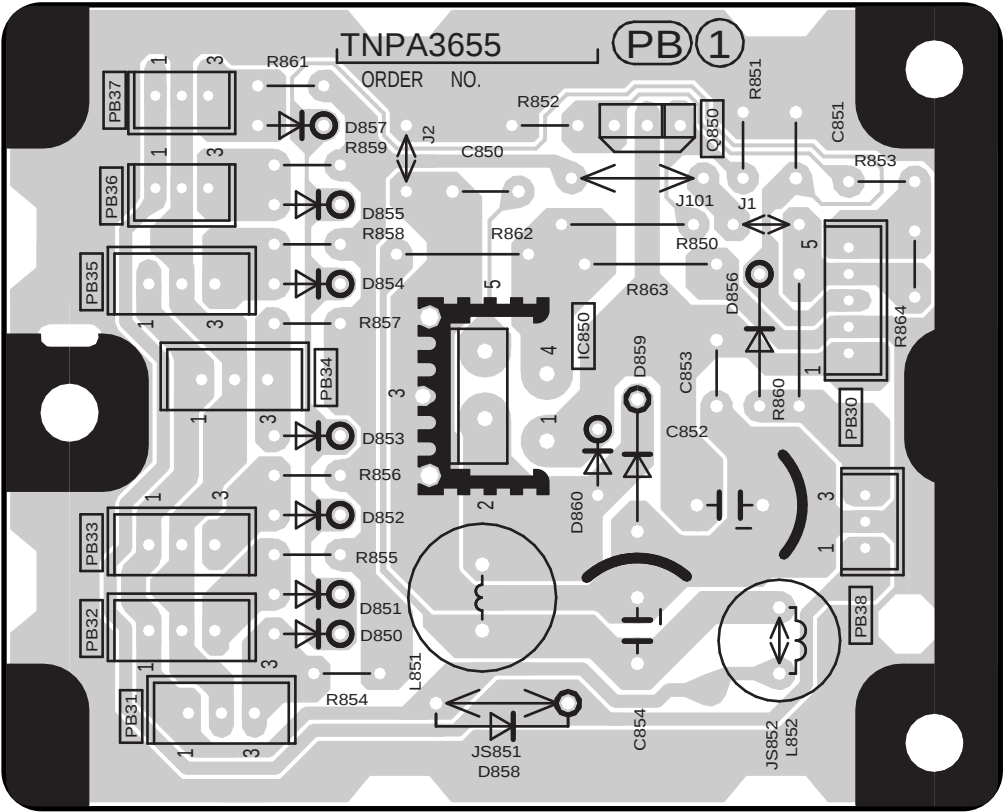
13.2. PB-Board

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PB-BOARD (FOIL SIDE)
TXNPB1ZKTU



PB-BOARD (COMPONENT SIDE)
TXNPB1ZKTU

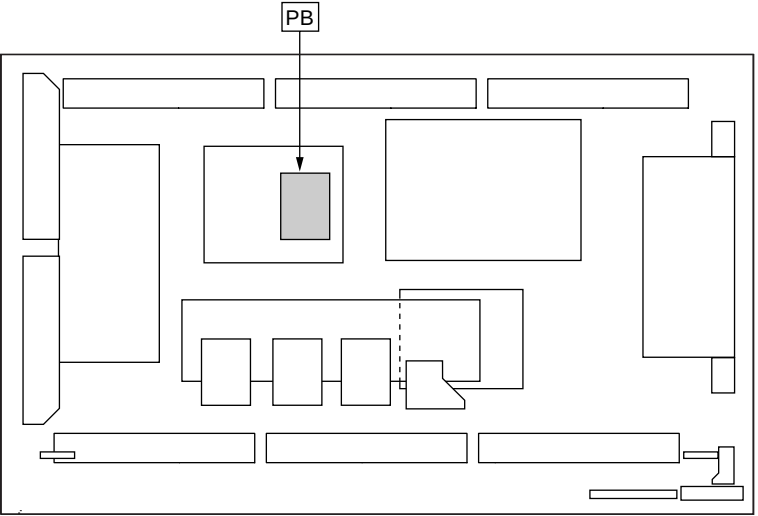


Parts Location

PB-BOARD (FOIL SIDE)			
IC		TRANSISTOR	
IC850	C-2	Q850	B-3
		TP	
		TPFAN	B-2

Parts Location

PB-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC850	G-3	Q850	G-3





13.4. HU-Board

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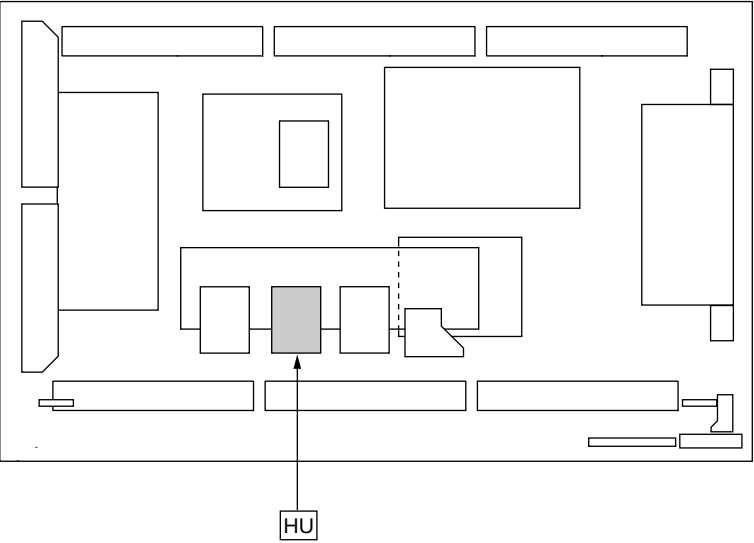
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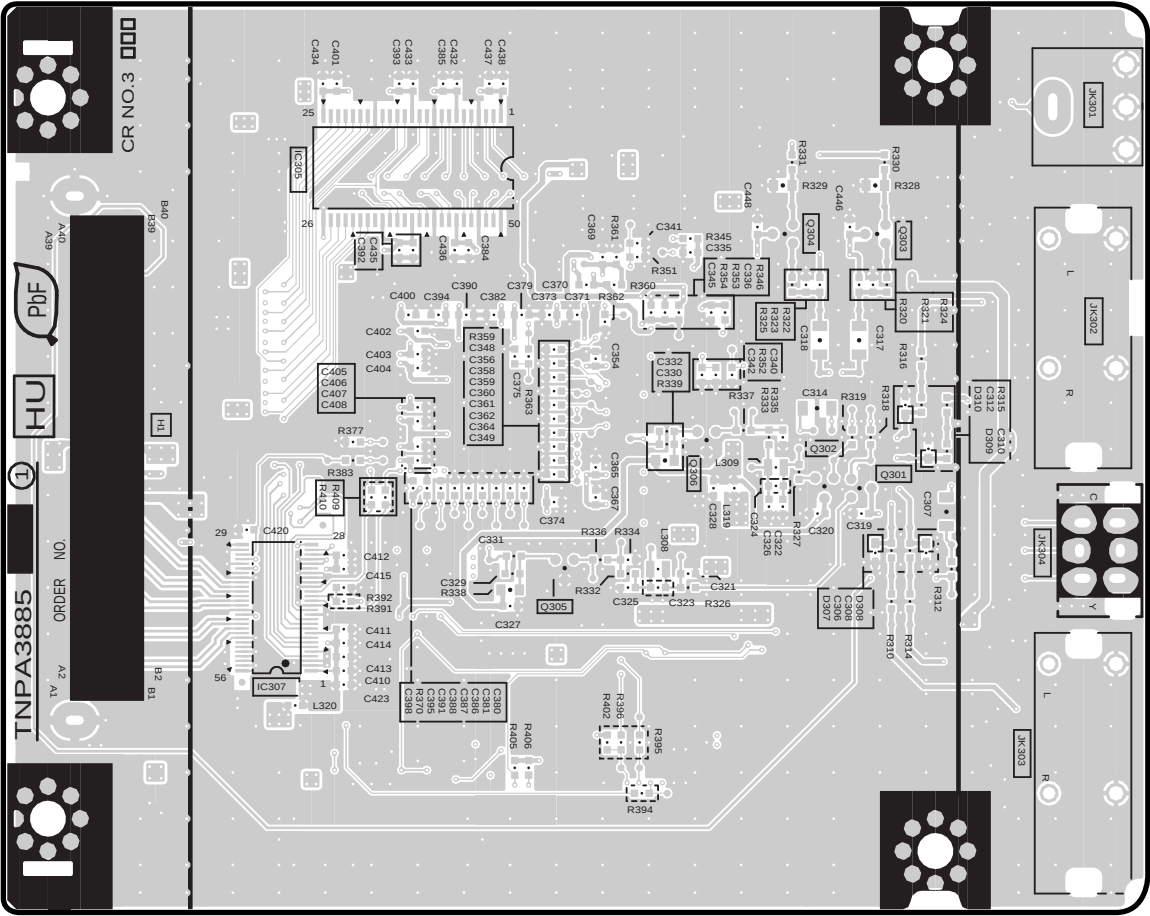
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Parts Location

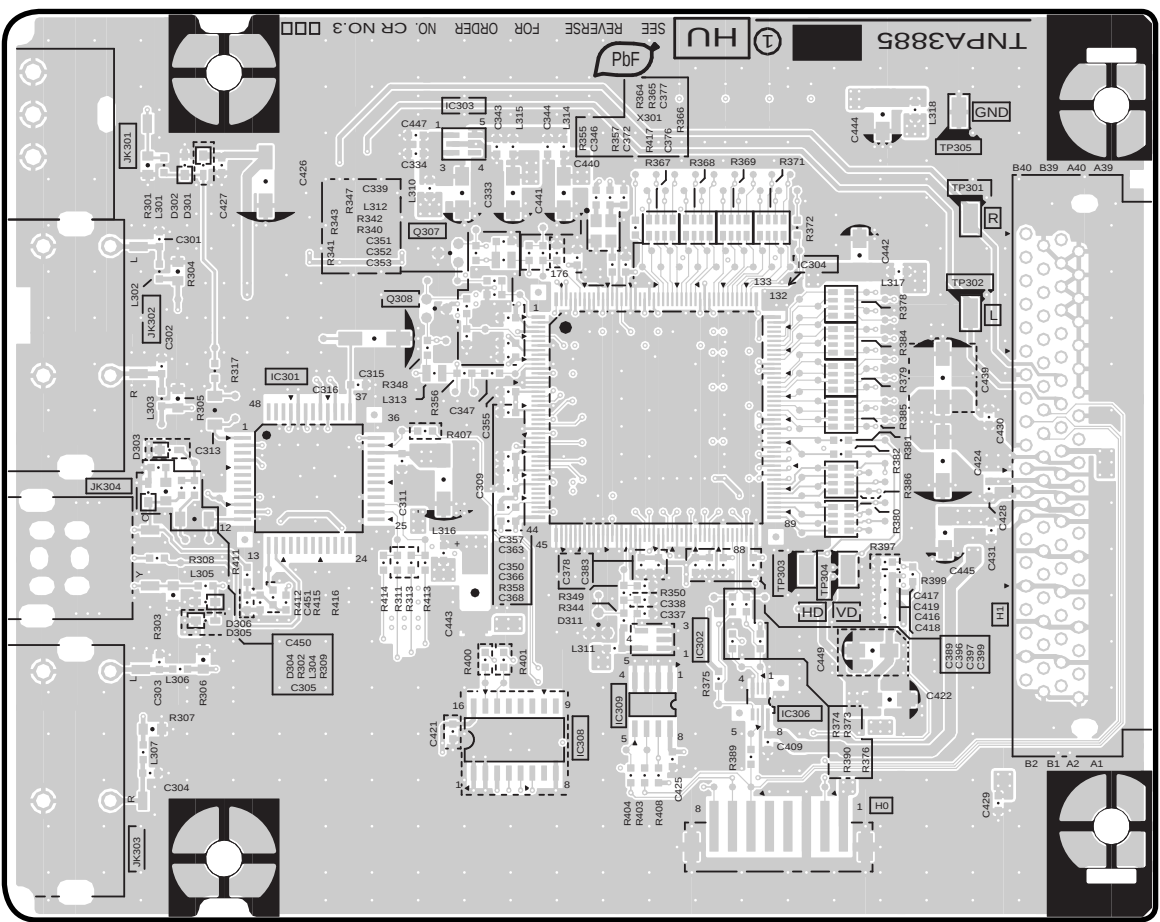
HU-BOARD					
IC		TRANSISTOR		TP	
IC3301	F-2	Q3301	D-2	TP3301	I-3
IC3302	G-2	Q3302	D-2	TP3302	I-3
IC3303	G-4	Q3303	D-3	TP3303	H-2
IC3304	G-3	Q3304	D-3	TP3304	H-2
IC3305	B-3	Q3305	C-2	TP3305	H-4
IC3306	H-2	Q3306	C-3		
IC3307	B-2	Q3307	G-3		
IC3308	G-2	Q3308	G-3		
IC3309	G-2				



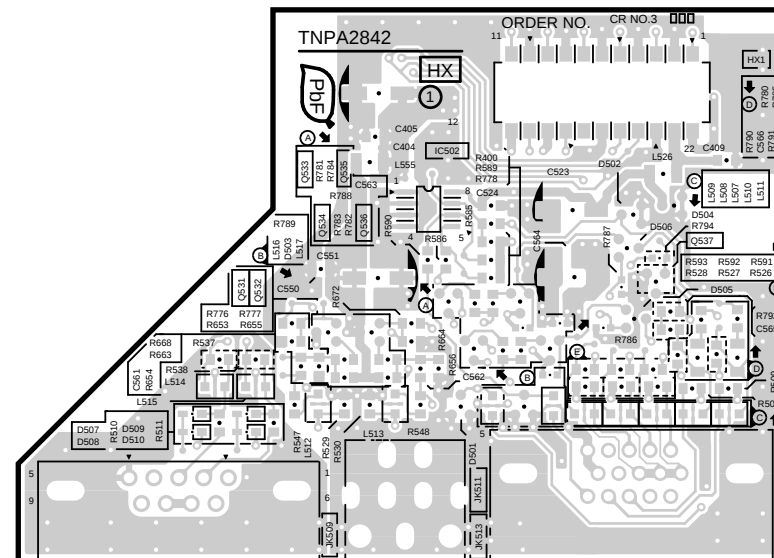
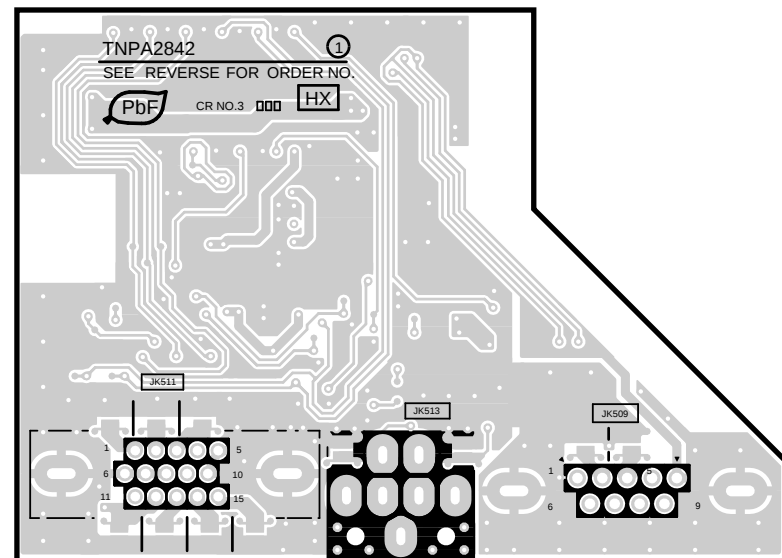
HU-BOARD (FOIL SIDE)
TXNHU1ZFTU



HU-BOARD (COMPONENT SIDE)
TXNHU1ZFTU

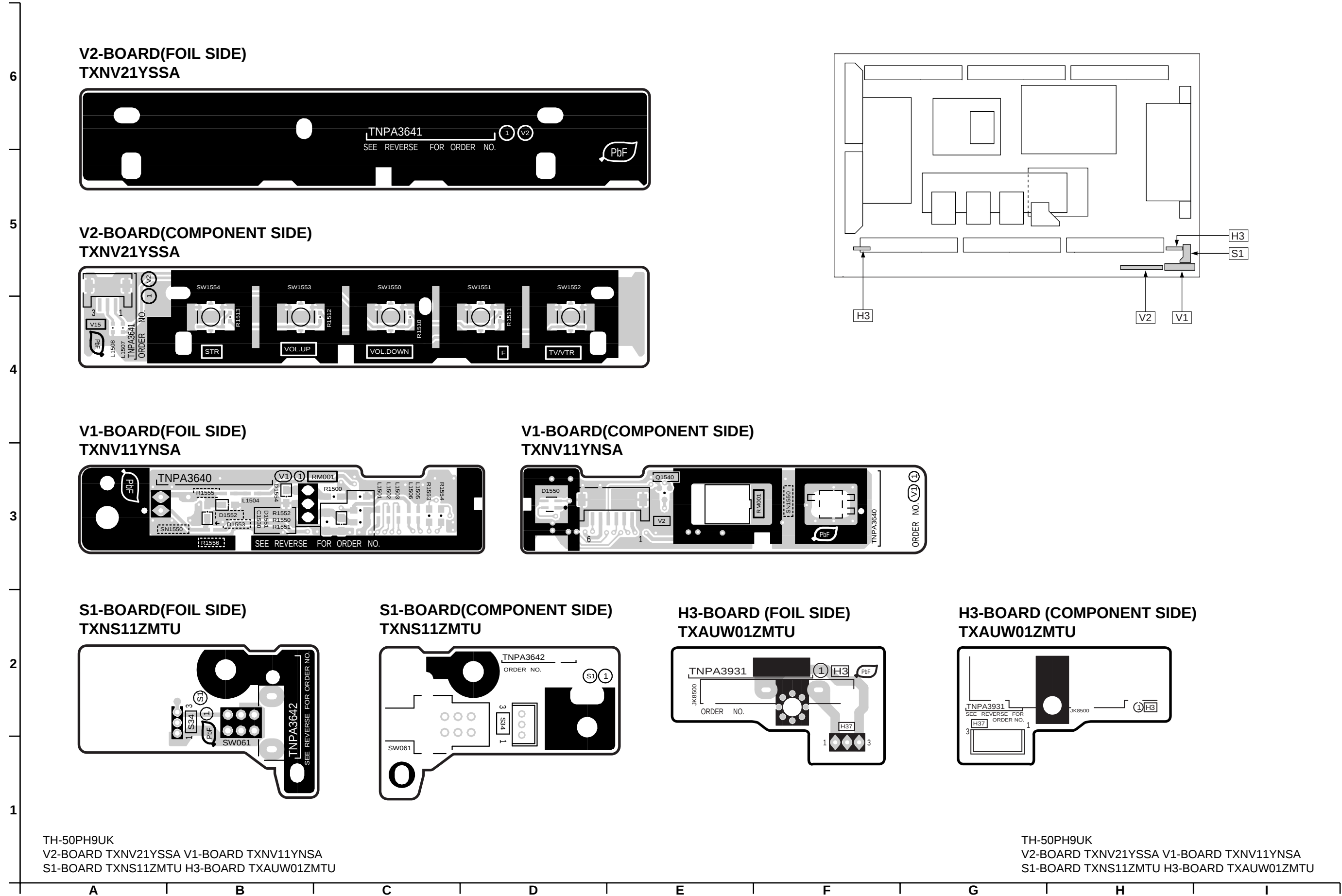


13.5. HX-Board



HX-BOARD			
IC		TRANSISTOR	
IC3502	E-4	Q3531	D-4
		Q3532	D-4
		Q3533	E-4
		Q3534	E-4
		Q3535	E-4
		Q3536	E-4
		Q3537	F-4

13.6. H3, S1, V1 and V2-Board



13.7. J-Board

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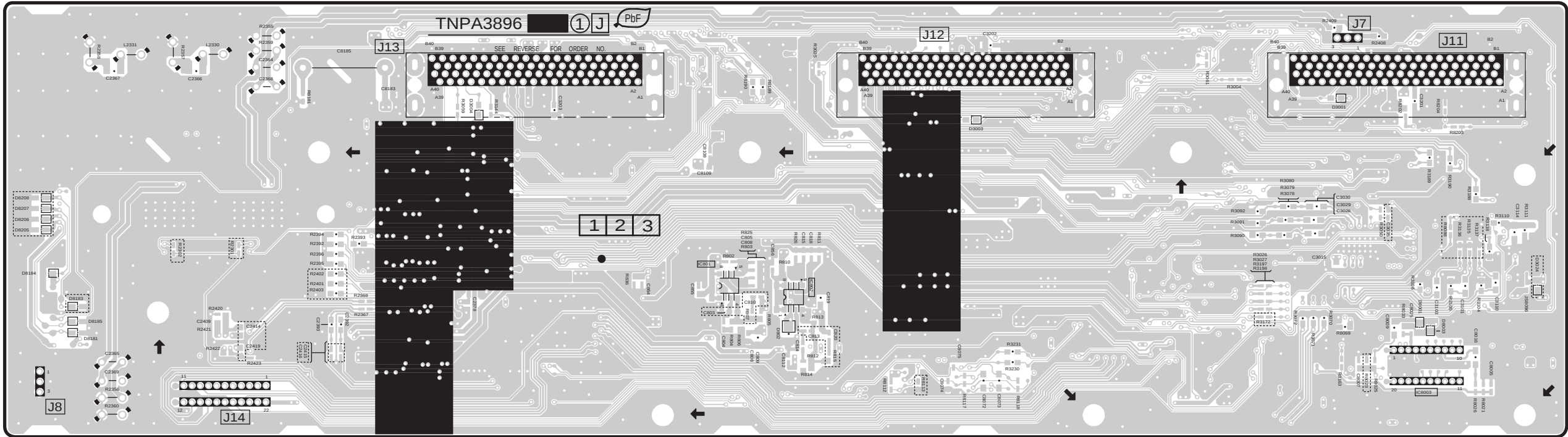
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J-BOARD (FOIL SIDE)
TNPA3896S

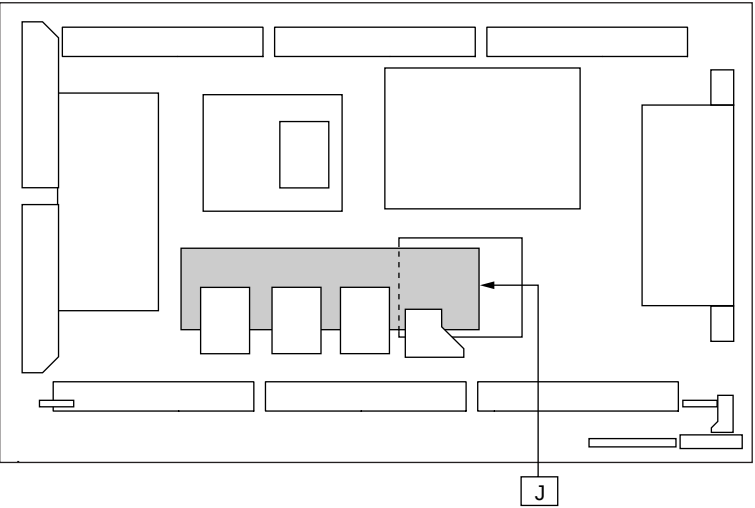


TH-50PH9UK
J-BOARD TNPA3896S

TH-50PH9UK
J-BOARD TNPA3896S

Parts Location

J-BOARD (FOIL SIDE)	
IC	
IC801	E-2
IC802	E-2
IC8003	I-1



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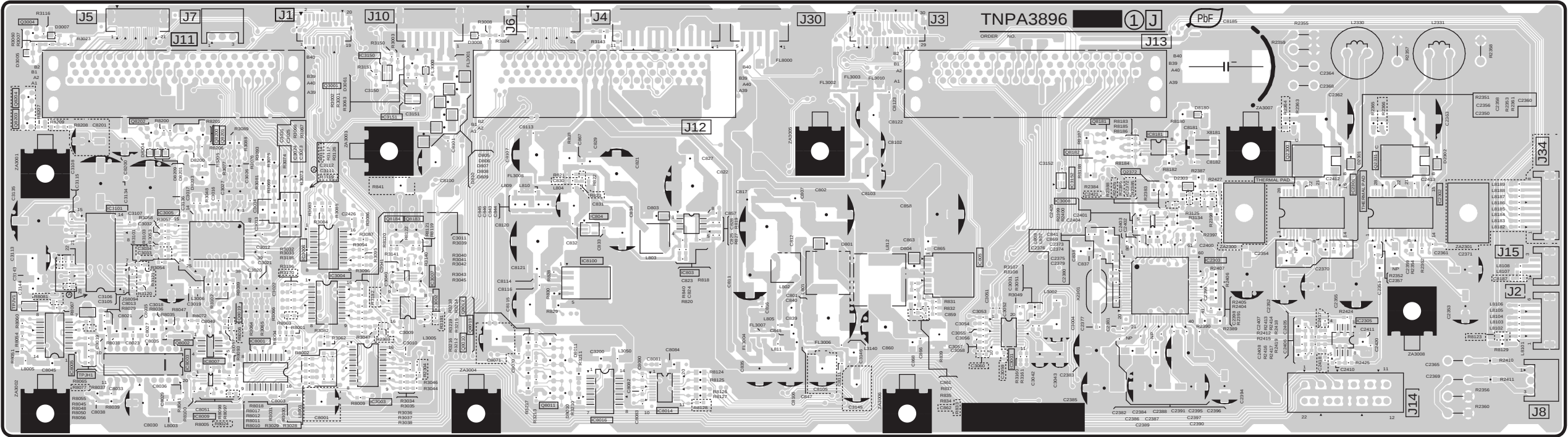
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J-BOARD (COMPONENT SIDE)
TNPA3896S

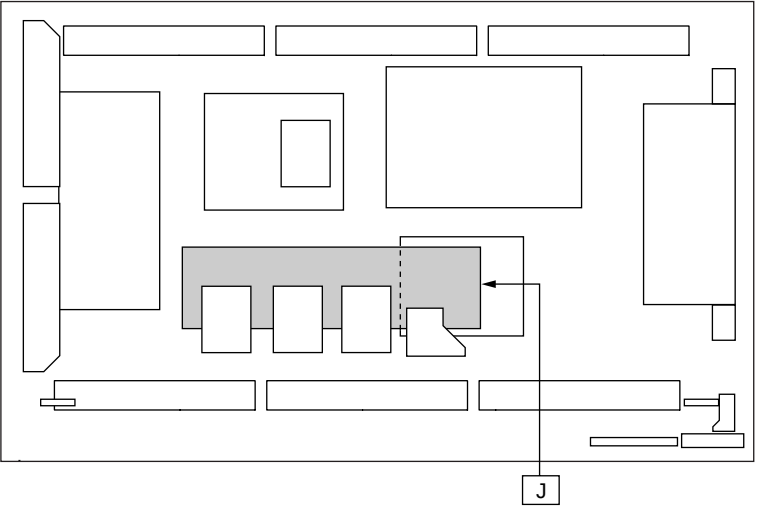


TH-50PH9UK
J-BOARD TNPA3896S

TH-50PH9UK
J-BOARD TNPA3896S

Parts Location

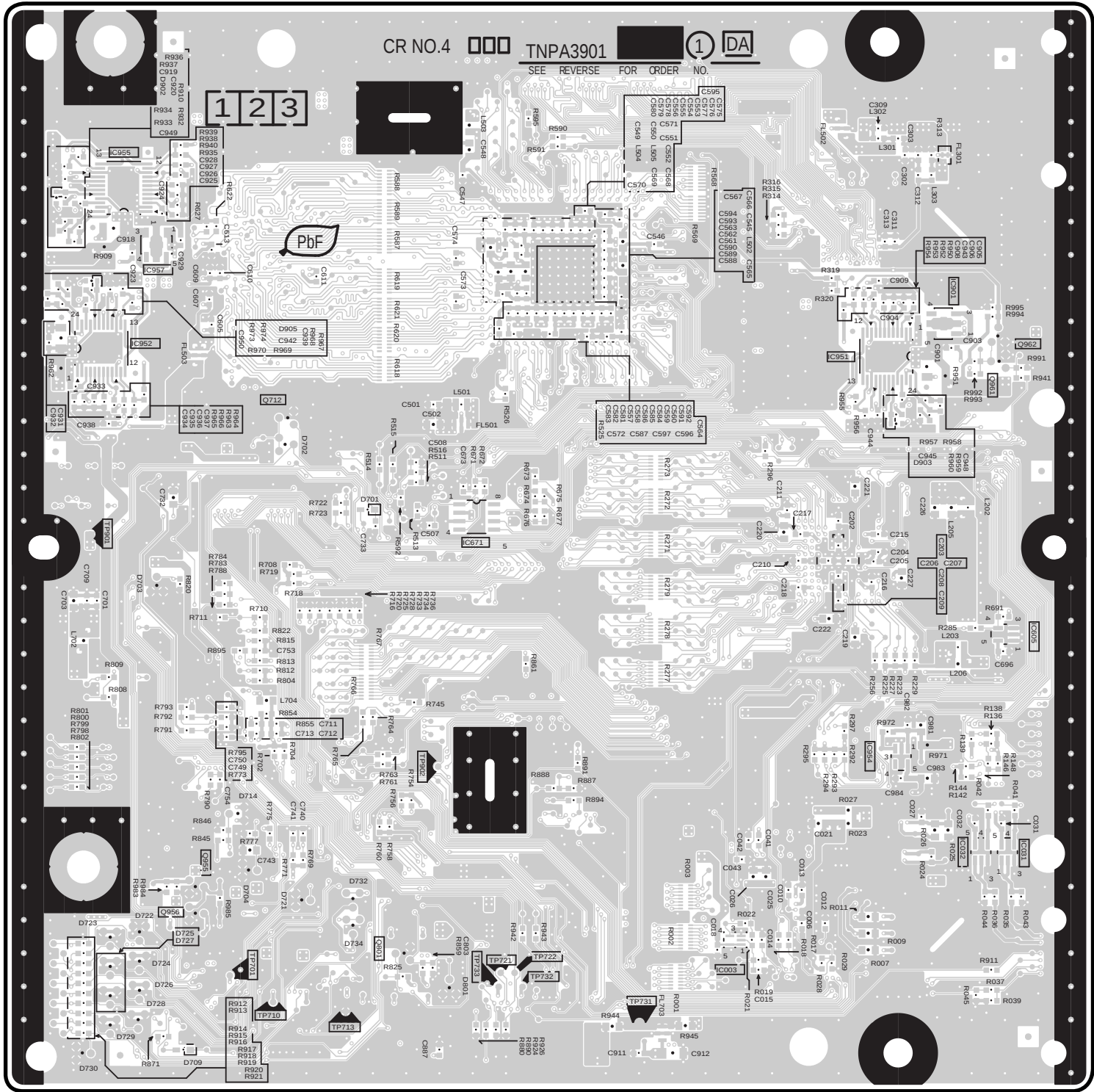
J-BOARD (COMPONENT SIDE)					
IC		TRANSISTOR		TP	
IC803	E-2	Q2300	H-2	TPJH1	A-2
IC804	D-2	Q2331	H-2	TPJV1	A-2
IC805	F-2	Q2372	G-2		
IC2301	H-2	Q3001	C-3		
IC2302	H-2	Q3004	A-3		
IC2303	G-2	Q8002	B-2		
IC2305	H-1	Q8010	D-1		
IC3001	F-1	Q8011	D-1		
IC3002	C-2	Q8012	D-1		
IC3003	C-1	Q8013	D-1		
IC3004	C-2	Q8019	B-2		
IC3005	B-2	Q8181	G-3		
IC3006	C-2	Q8182	G-2		
IC3007	C-2	Q8183	C-2		
IC3008	G-2	Q8184	C-2		
IC3101	A-2	Q8200	B-3		
IC3150	C-3	Q8201	B-3		
IC3151	C-3	Q8202	B-3		
IC3152	G-2	Q8203	A-3		
IC8001	B-1	Q8204	A-3		
IC8003	B-1				
IC8005	A-1				
IC8007	B-1				
IC8009	B-1				
IC8014	D-1				
IC8016	D-1				
IC8100	D-2				
IC8181	G-3				



13.8. DA-Board

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DA-BOARD (FOIL SIDE)
TXNDA1ZHTU (37inch)
TXNDA1ZKTU (42inch)



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DA-BOARD (COMPONENT SIDE)
TXNDA1ZMTU

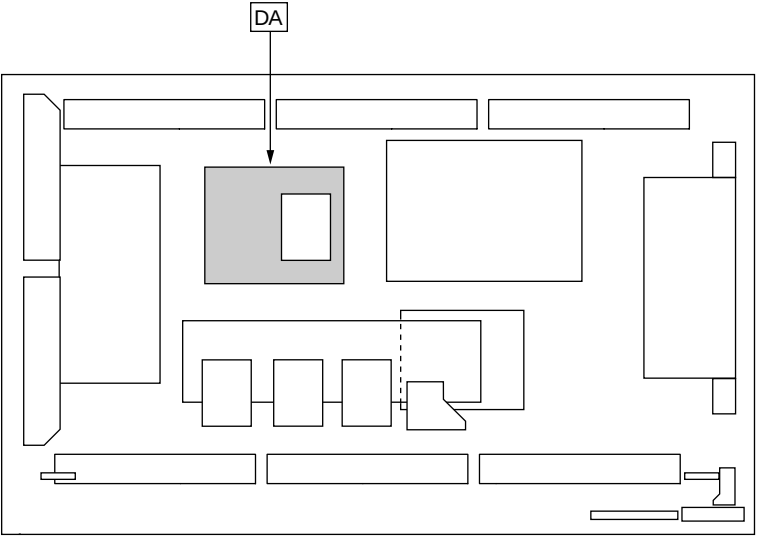
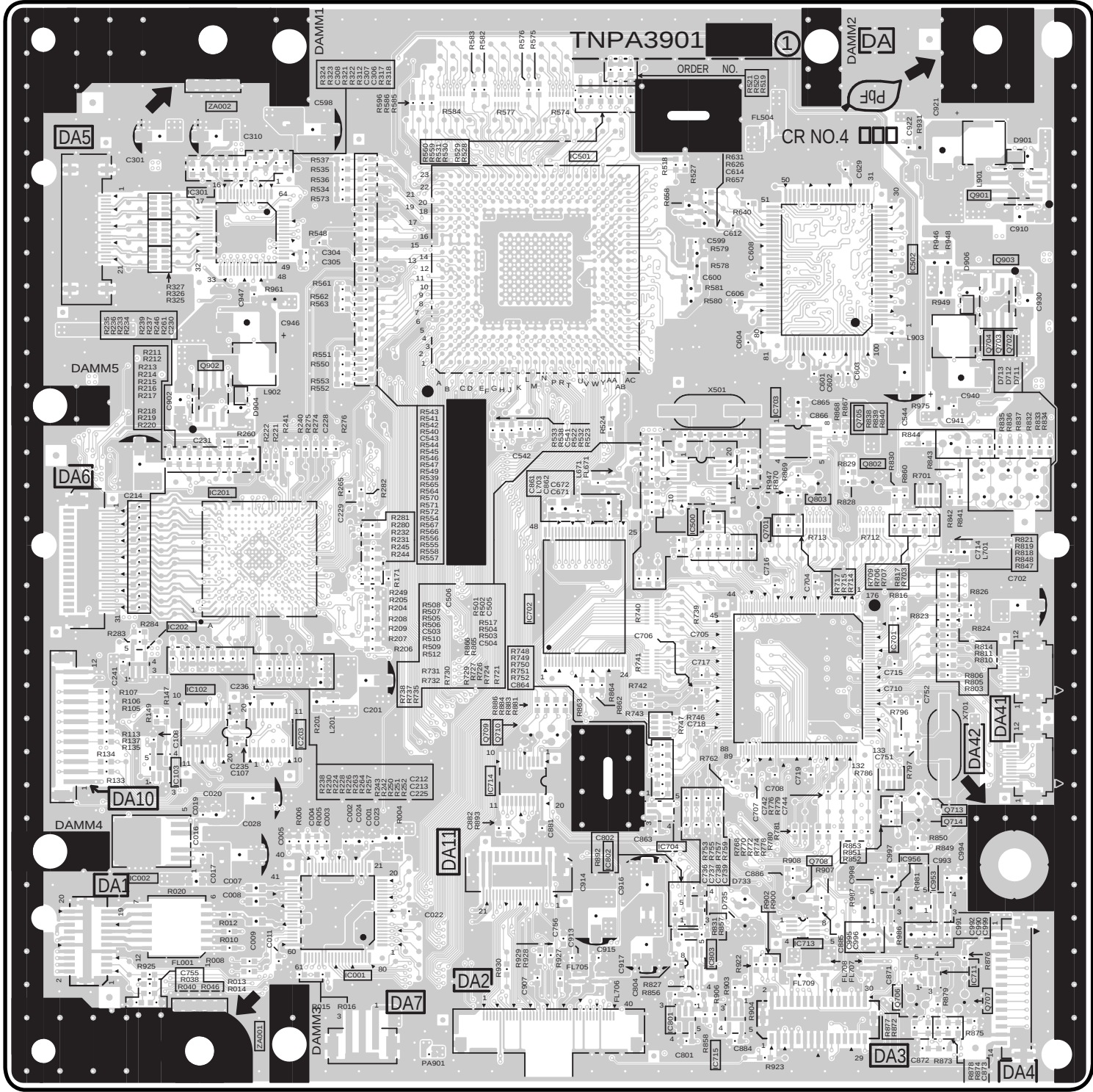
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Parts Location

DA-BOARD (COMPONENT SIDE)			
IC		TRANSISTOR	
IC4001	B-1	Q4701	D-3
IC4002	A-2	Q4702	E-4
IC4102	B-2	Q4703	E-4
IC4103	B-2	Q4704	E-4
IC4201	B-3	Q4705	E-4
IC4202	A-3	Q4706	E-1
IC4203	B-2	Q4707	E-1
IC4301	B-5	Q4708	D-2
IC4500	D-4	Q4709	C-2
IC4501	C-5	Q4710	C-2
IC4502	E-5	Q4713	E-2
IC4701	D-3	Q4714	E-2
IC4702	C-3	Q4802	E-4
IC4703	D-4	Q4803	E-4
IC4704	D-2	Q4901	E-5
IC4711	E-1	Q4902	B-4
IC4713	D-2	Q4903	E-5
IC4714	C-2		
IC4715	D-1		
IC4801	D-1		
IC4802	D-2		
IC4803	D-1		
IC4953	E-2		
IC4956	E-2		

13.9. D-Board

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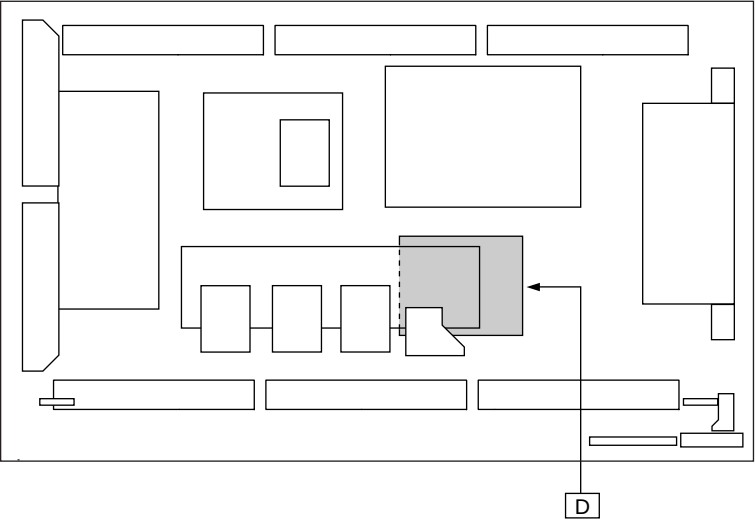
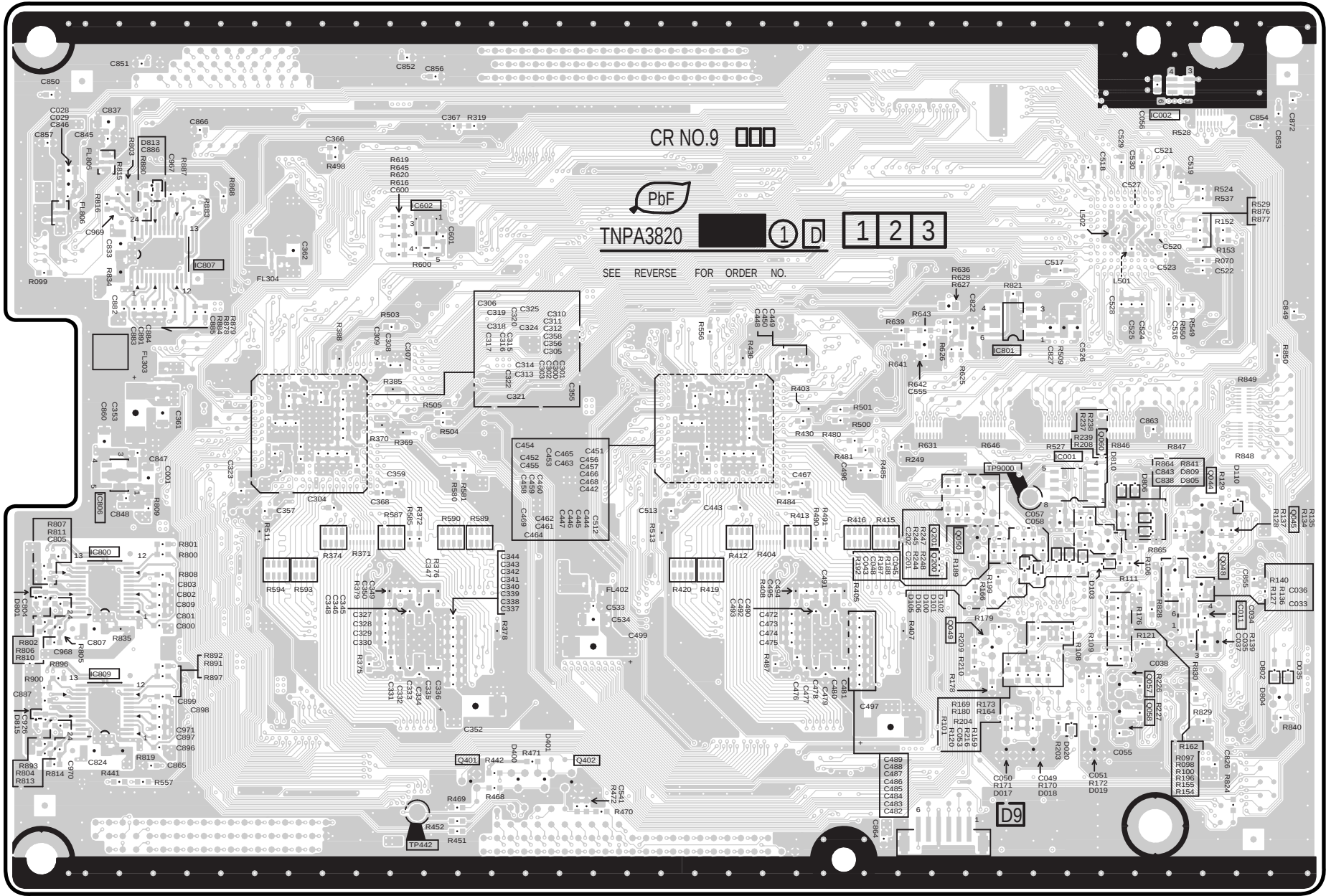
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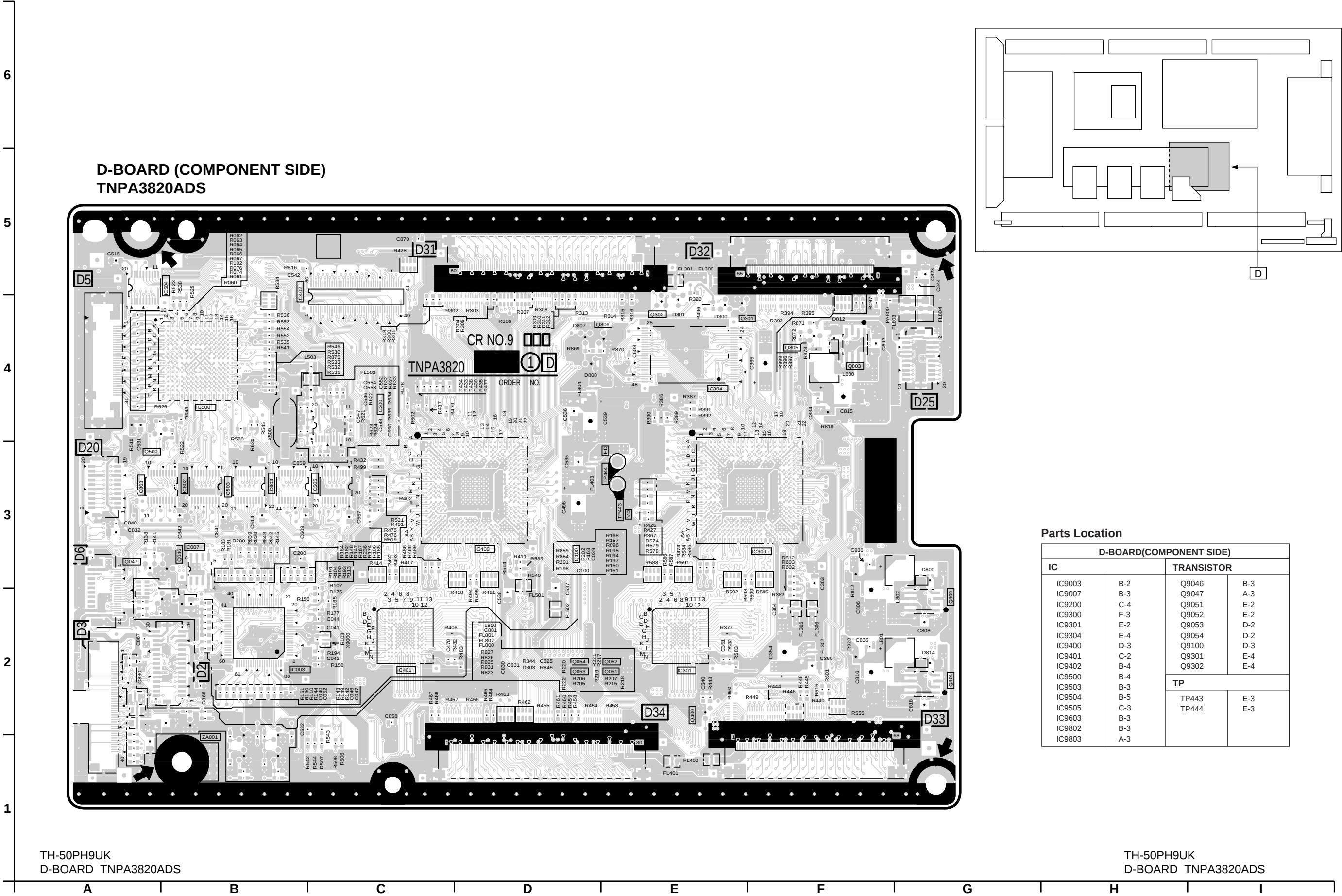
1

D-BOARD (FOIL SIDE)
TNPA3820ADS



Parts Location

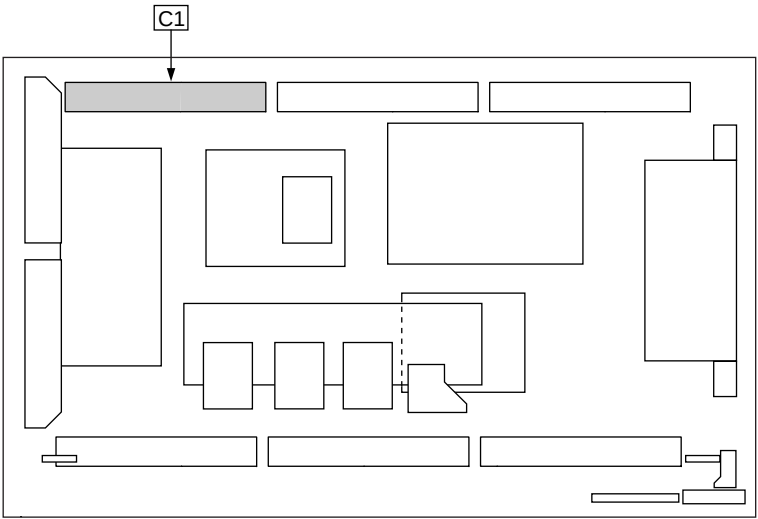
D-BOARD(FOIL SIDE)			
IC		TP	
IC9001	F-3	Q9200	E-3
IC9002	F-5	Q9201	E-3
IC9011	G-2	Q9400	E-2
IC9602	C-4	Q9401	C-2
IC9800	A-3	Q9402	D-2
IC9801	E-4	Q9500	A-3
IC9806	A-3	Q9800	G-2
IC9807	B-4	Q9801	G-2
IC9809	A-2	Q9803	F-4
		Q9805	F-4
		Q9806	E-4
TRANSISTOR		TP	
Q9044	F-3	TP442	C-1
Q9045	G-3	TP9000	E-3
Q9048	F-3		
Q9049	E-2		
Q9050	E-3		
Q9057	F-2		
Q9058	F-2		
Q9060	F-3		



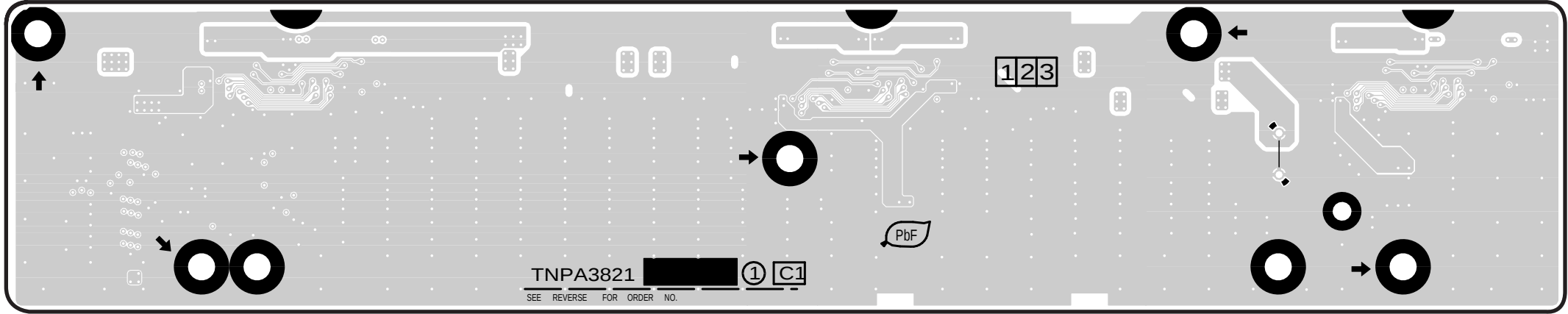
13.10. C1-Board

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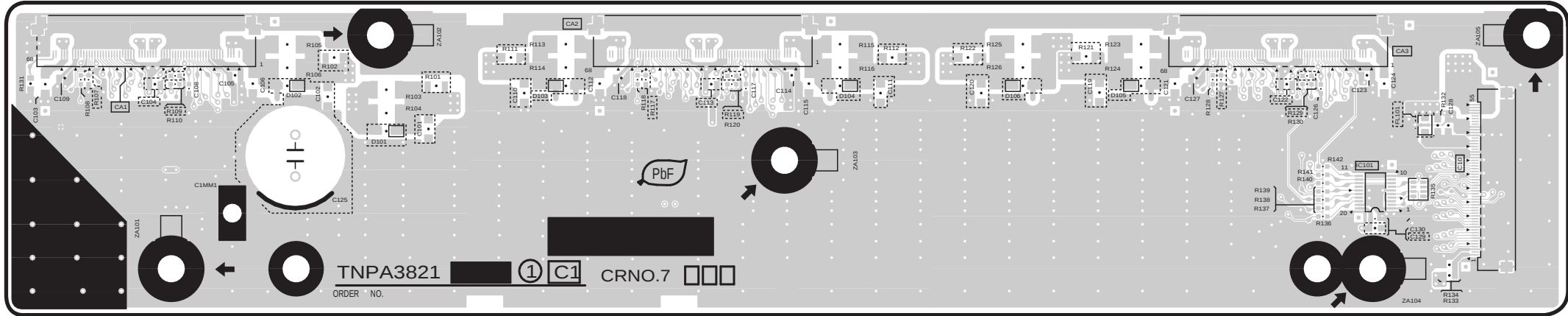
Parts Location	
C1-BOARD	
IC	
IC7101	G-1



C1-BOARD (FOIL SIDE)
TXNC11BHTUE



C1-BOARD (COMPONENT SIDE)
TXNC11BHTUE



TH-50PH9UK
C1-BOARD TXNC11BHTUE

TH-50PH9UK
C1-BOARD TXNC11BHTUE

A B C D E F G H I

13.11. C2-Board

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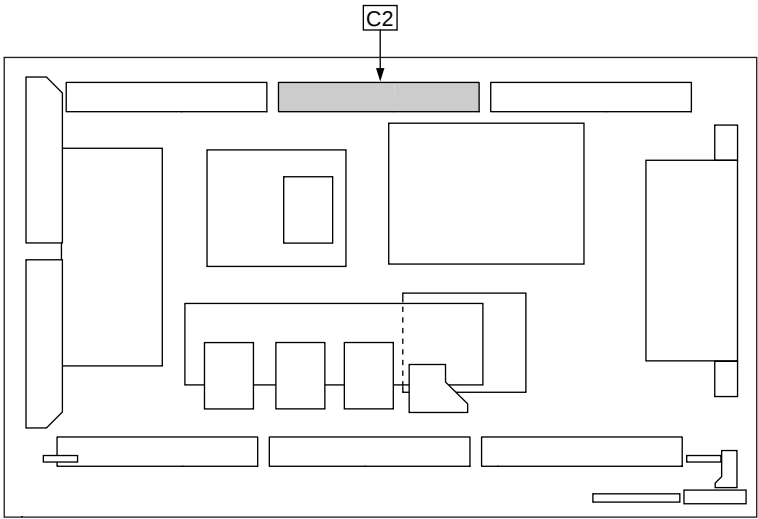
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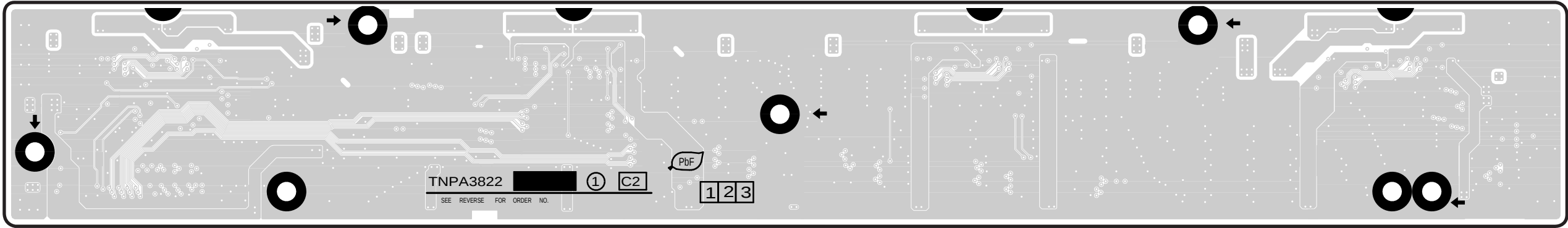
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Parts Location

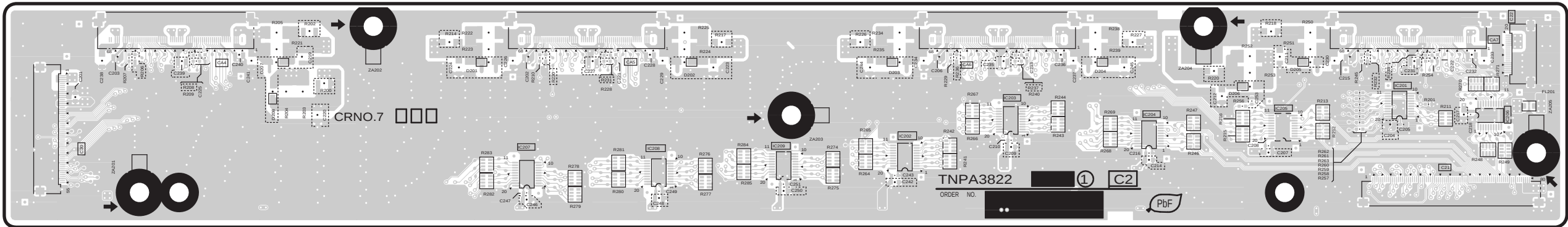
C2-BOARD	
IC	
IC7201	H-1
IC7202	F-1
IC7203	F-2
IC7204	G-2
IC7205	H-2
IC7206	I-2
IC7207	D-1
IC7208	D-1
IC7209	E-1



C2-BOARD (FOIL SIDE)
TXNC21BHTUE



C2-BOARD (COMPONENT SIDE)
TXNC21BHTUE



A

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C

D

E

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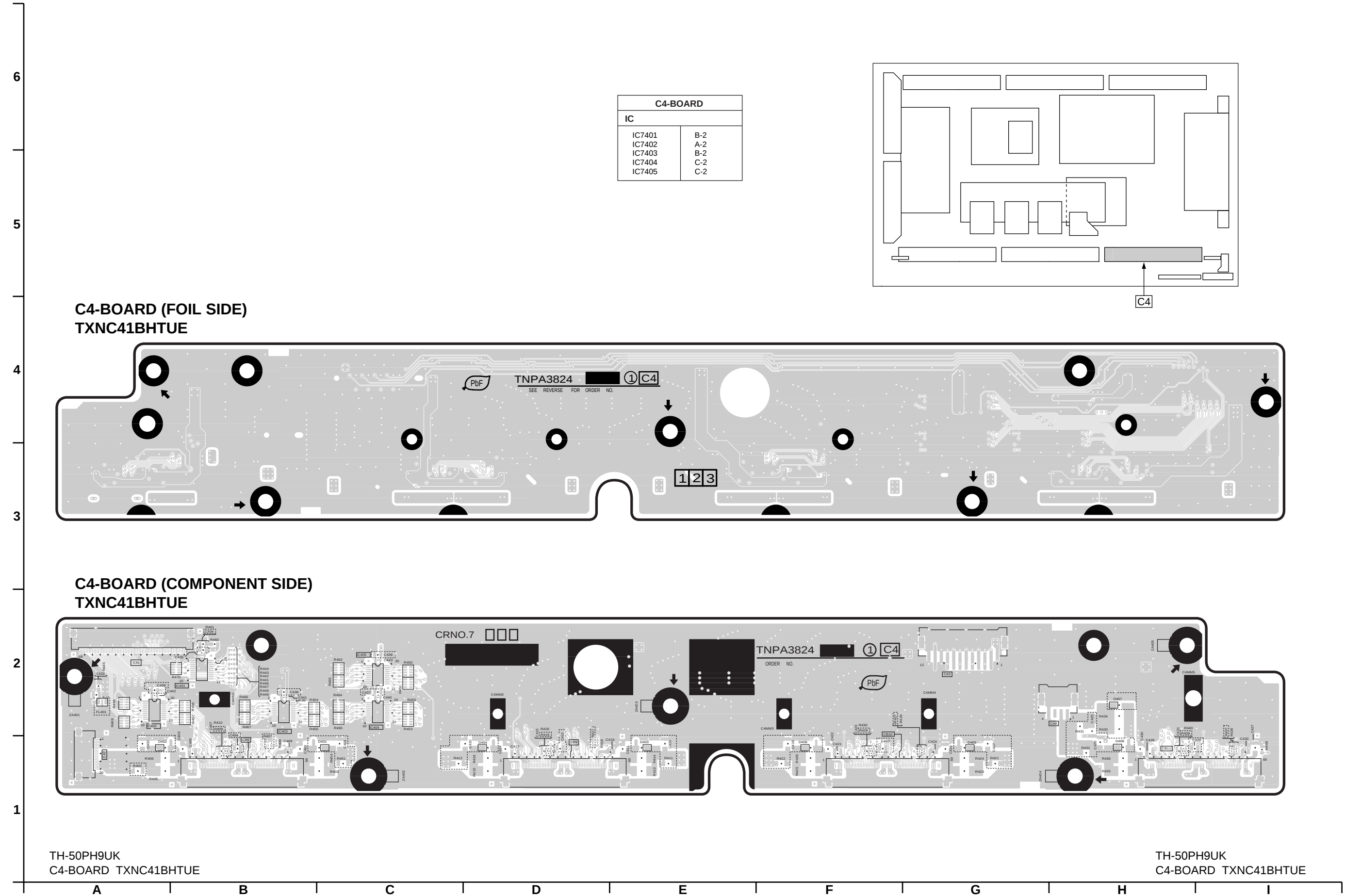
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I

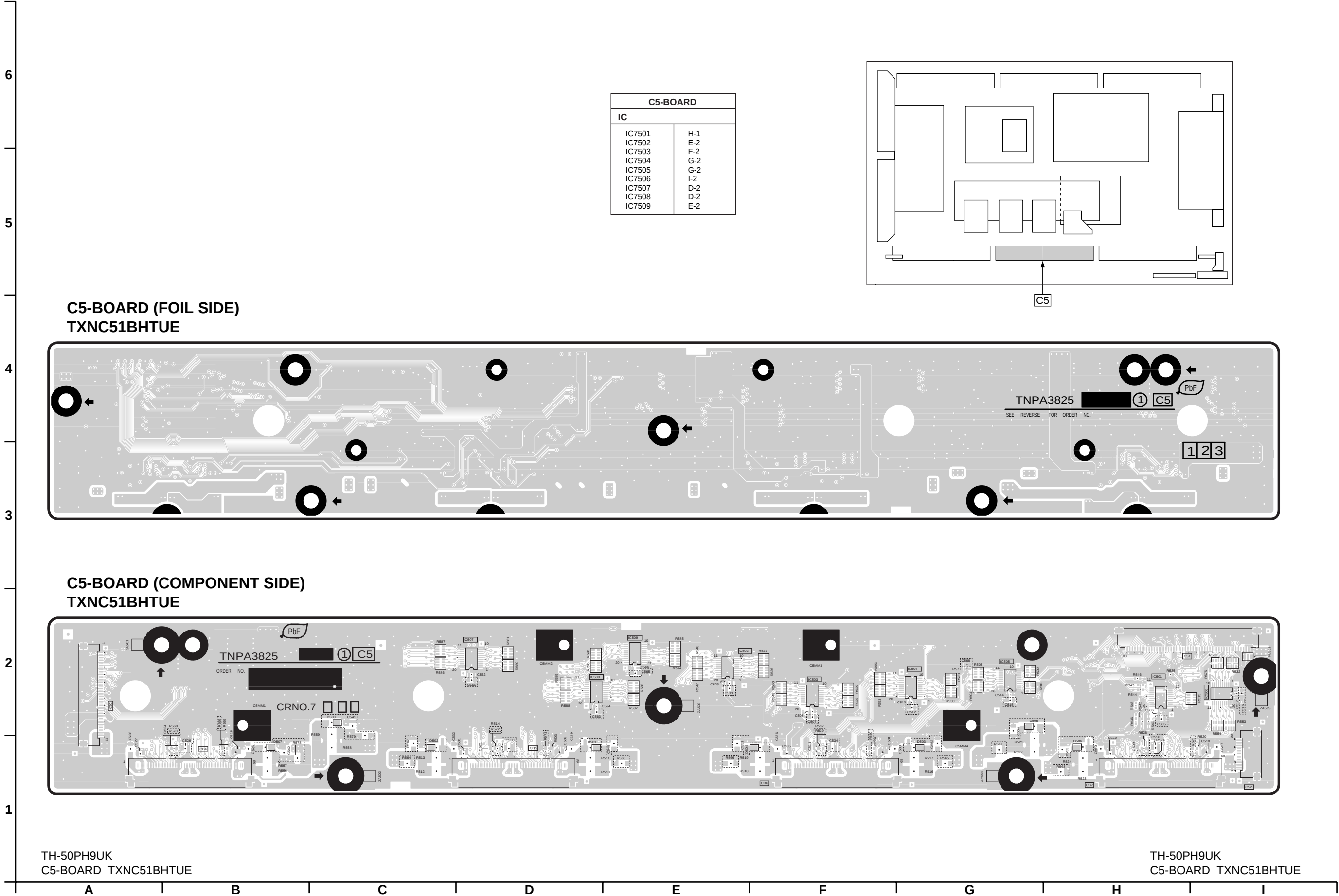
[illegible]

TH-50PH9UK
C3-BOARD TXNC31BHTUE

13.13. C4-Board



13.14. C5-Board



13.15. C6-Board

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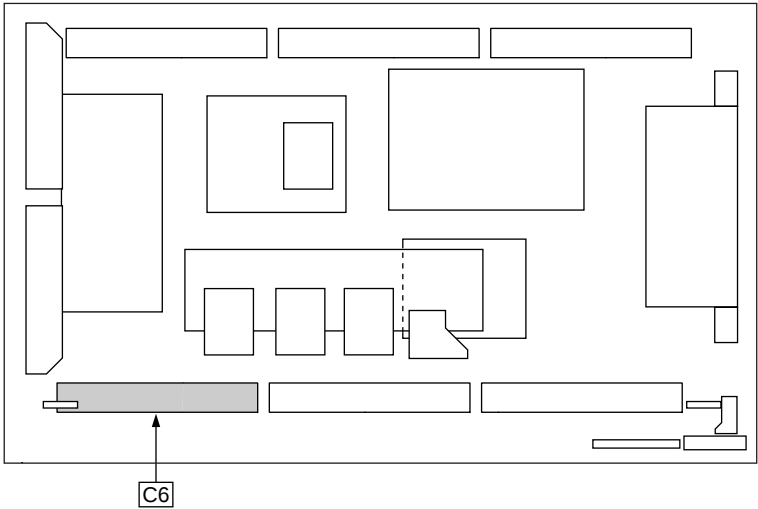
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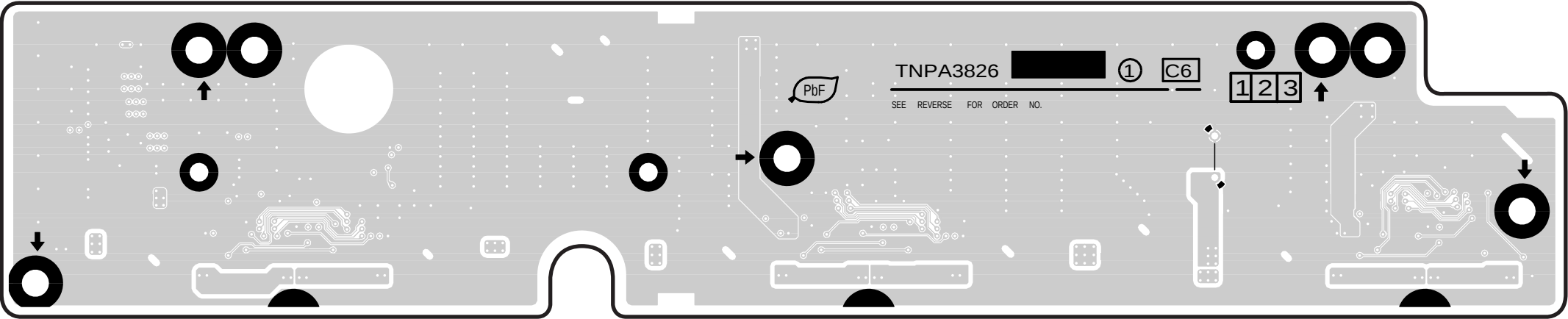
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Parts Location

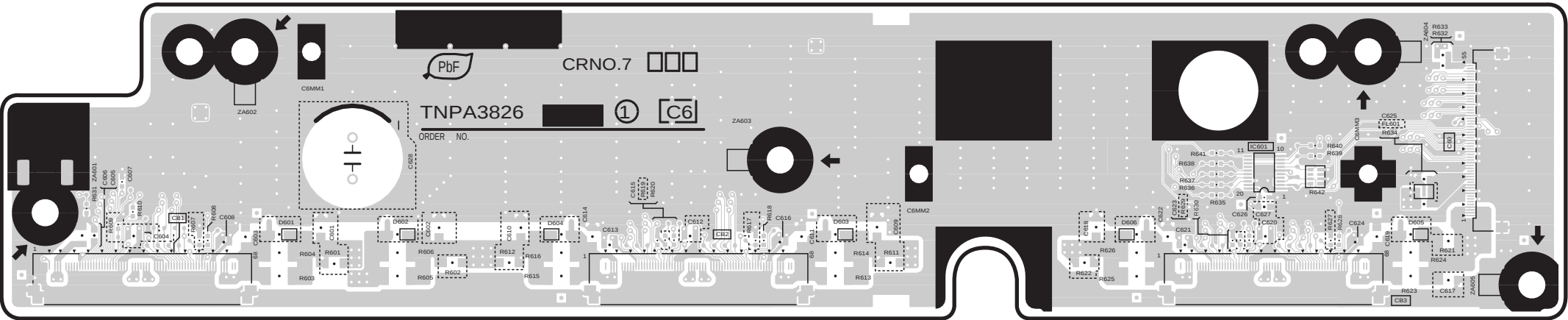
C6-BOARD	
IC	
IC7601	G-2



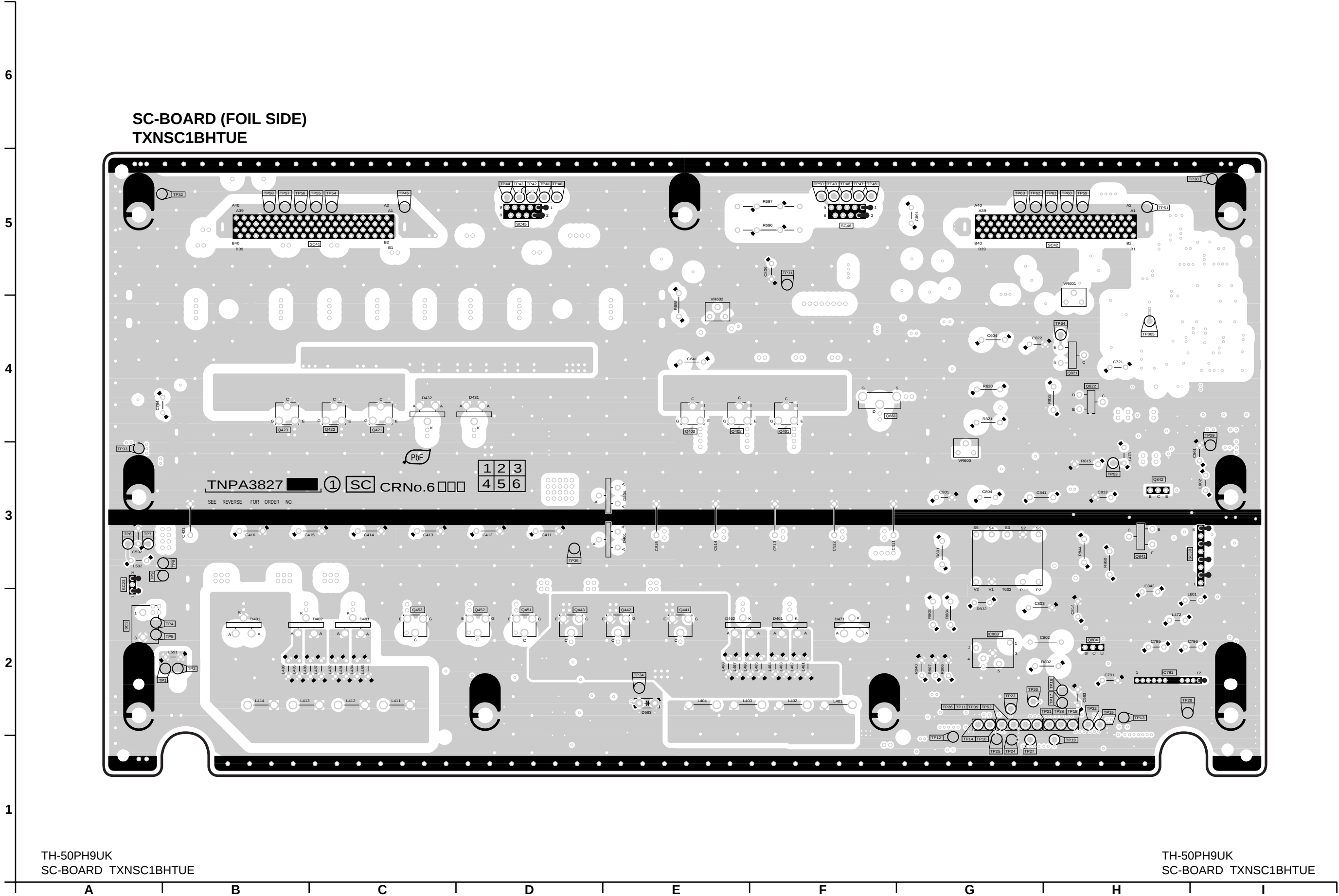
C6-BOARD (FOIL SIDE)
TXNC61BHTUE

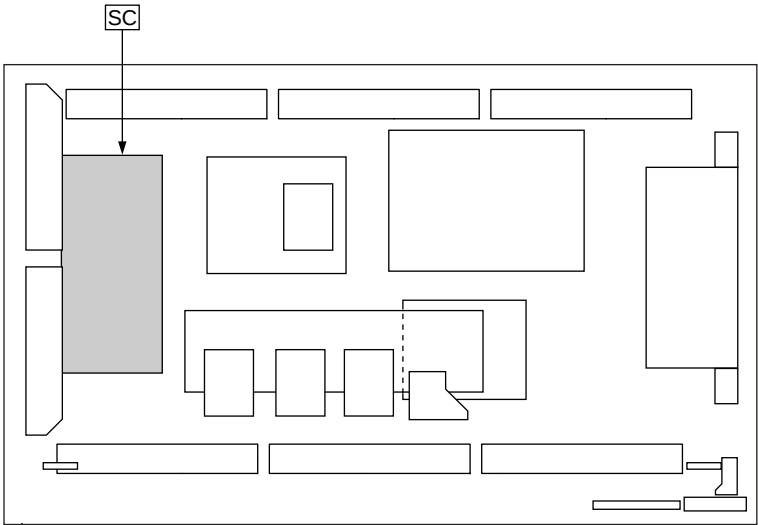


C6-BOARD (COMPONENT SIDE)
TXNC61BHTUE



13.16. SC-Board





Parts Location

SC-BOARD (FOIL SIDE)					
IC		TP		TP41	D-5
IC6791	H-2	TP1	B-2	TP42	D-5
IC6803	G-2	TP2	B-2	TP43	D-5
TRANSISTOR		TP4	A-2	TP44	D-5
		TP5	A-2	TP45	C-5
Q6401	F-4	TP6	A-3	TP46	F-5
Q6402	E-4	TP7	A-3	TP47	F-5
Q6403	E-4	TP8	B-3	TP48	F-5
Q6421	C-4	TP9	A-3	TP49	F-5
Q6422	C-4	TP10	G-1	TP50	F-5
Q6423	B-4	TP11	G-2	TP51	H-5
Q6441	E-2	TP12	G-1	TP52	G-2
Q6442	E-2	TP13	H-2	TP53	H-3
Q6443	D-2	TP14	G-1	TP54	C-5
Q6451	D-2	TP15	H-2	TP55	C-5
Q6452	D-2	TP16	H-2	TP56	B-5
Q6453	C-2	TP17	H-2	TP59	H-5
Q6804	H-2	TP18	H-2	TP60	H-5
Q6821	H-4	TP19	H-1	TP61	H-5
Q6822	H-4	TP20	G-2	TP62	G-5
Q6841	H-3	TP21	H-2	TP63	G-5
Q6842	H-3	TP22	H-2	TP64	H-4
		TP23	G-2	TP65	H-4
		TP24	G-1	TP67	B-5
		TP25	G-1	TP68	B-5
		TP26	G-2	VOLUME	
		TP27	G-1	VR6600	G-3
		TP28	H-2	VR6601	H-5
		TP29	I-4	VR6602	E-4
		TP30	I-5		
		TP31	F-5		
		TP32	B-5		
		TP33	A-3		
		TP34	E-2		
		TP35	D-3		
		TP38	H-2		
		TP39	G-2		
		TP40	D-5		

Parts Location

SC-BOARD (COMPONENT SIDE)							
IC		PHOTO COUPLER		Q6601	C-5	TP	
IC6471	B-5	PC6480	B-4	Q6602	C-4	TP15V	I-3
IC6472	B-3	PC6701	A-4	Q6621	B-4	TPSC1	D-5
IC6501	F-4	PC6702	A-4	Q6622	G-4	TPSOS6	B-2
IC6521	F-2	PC6703	A-4	Q6641	F-5	TPSOS7	B-3
IC6561	B-1	PC6704	I-4	Q6642	F-5	TPVAD	B-2
IC6562	C-1	PC6705	C-4	Q6643	G-5	TPVSCN	B-3
IC6581	F-2	PC6760	I-4	Q6644	G-5	TPVSET	C-4
IC6601	B-5	PC6861	B-4	Q6645	G-5	TPVSET2	B-3
IC6602	A-4	PC6871	A-2	Q6646	H-5	TPVSUS	H-2
IC6610	B-4	TRANSISTOR		Q6647	H-5	VOLUME	
IC6671	D-4			Q6648	H-5		
IC6681	C-4	Q6401	D-4	Q6661	D-4	VR6600	C-3
IC6682	A-4	Q6402	E-4	Q6662	E-5	VR6601	B-4
IC6721	A-4	Q6403	E-4	Q6663	E-4	VR6602	E-4
IC6722	A-4	Q6421	G-4	Q6671	D-4		
IC6724	B-5	Q6422	H-4	Q6672	D-4		
IC6725	B-5	Q6423	H-4	Q6673	D-4		
IC6751	I-4	Q6441	E-2	Q6680	D-4		
IC6752	H-4	Q6442	F-2	Q6681	D-4		
IC6753	I-4	Q6443	F-2	Q6682	D-5		
IC6771	C-4	Q6451	F-2	Q6691	D-5		
IC6772	E-5	Q6452	F-2	Q6742	A-4		
IC6773	D-4	Q6453	G-2	Q6743	B-5		
IC6774	C-4	Q6471	B-3	Q6744	A-4		
IC6791	B-2	Q6511	F-4	Q6762	H-4		
IC6801	C-3	Q6512	E-4	Q6781	E-5		
IC6802	B-3	Q6516	G-4	Q6782	E-5		
IC6803	C-2	Q6517	G-4	Q6791	A-3		
IC6821	B-4	Q6531	E-2	Q6803	C-3		
IC6841	B-3	Q6532	F-2	Q6804	B-2		
IC6861	B-4	Q6551	F-2	Q6821	G-4		
IC6871	A-3	Q6552	F-2	Q6822	B-4		
		Q6581	E-2	Q6824	C-4		
				Q6841	B-3		
				Q6842	B-3		

5

4

3

2

1

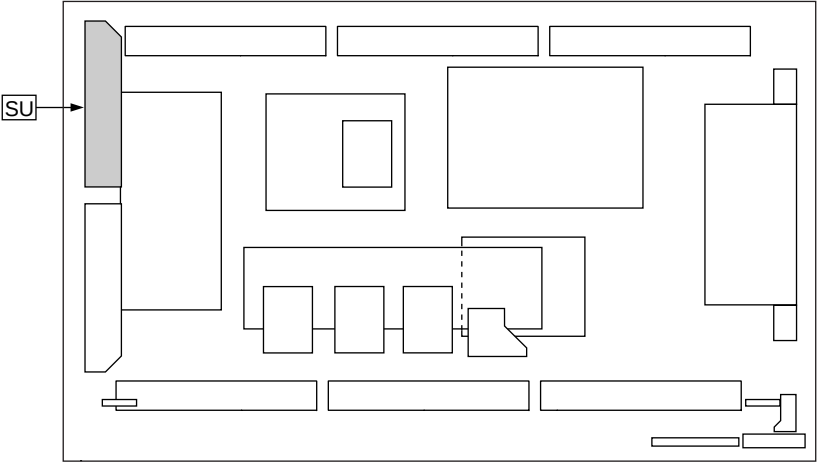
TH-50PH9UK
SC-BOARD TXNSC1BHTUE

13.17. SU-Board

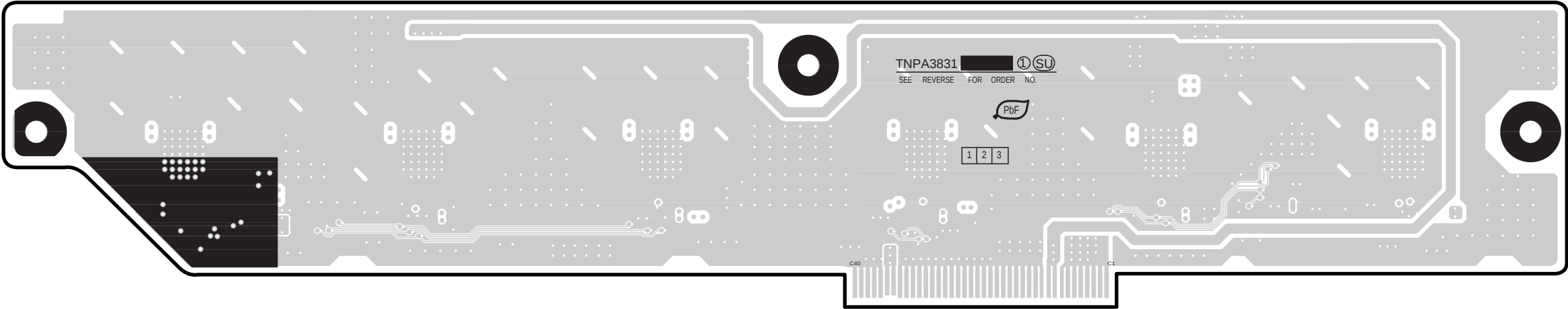
6
5
4
3
2
1

Parts Location

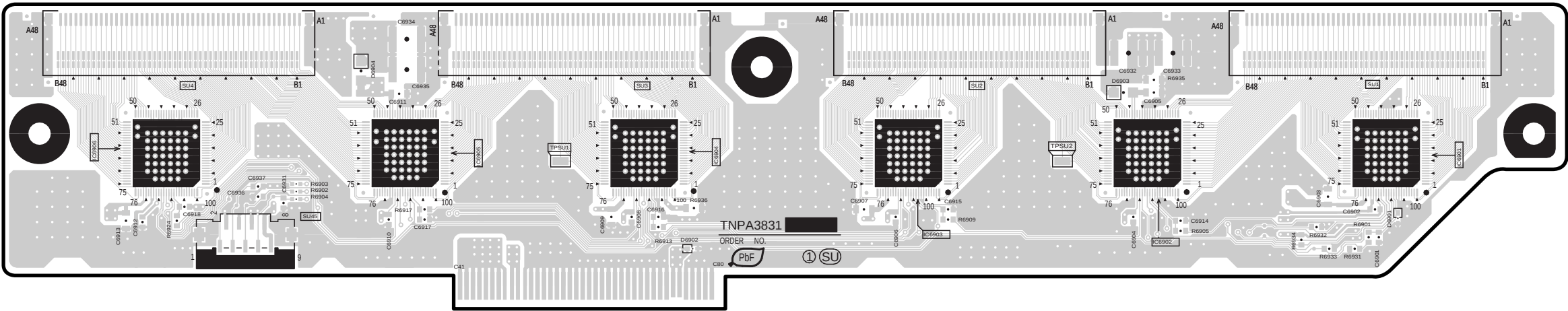
SU-BOARD	
IC	
IC6901	H-2
IC6902	G-2
IC6903	F-2
IC6904	D-2
IC6905	C-2
IC6906	B-2



SU-BOARD (FOIL SIDE)
TXNSU1BHTUE



SU-BOARD (COMPONENT SIDE)
TXNSU1BHTUE



TH-50PH9UK
SU-BOARD TXNSU1BHTUE

TH-50PH9UK
SU-BOARD TXNSU1BHTUE

A B C D E F G H I

13.18. SD-Board

6

5

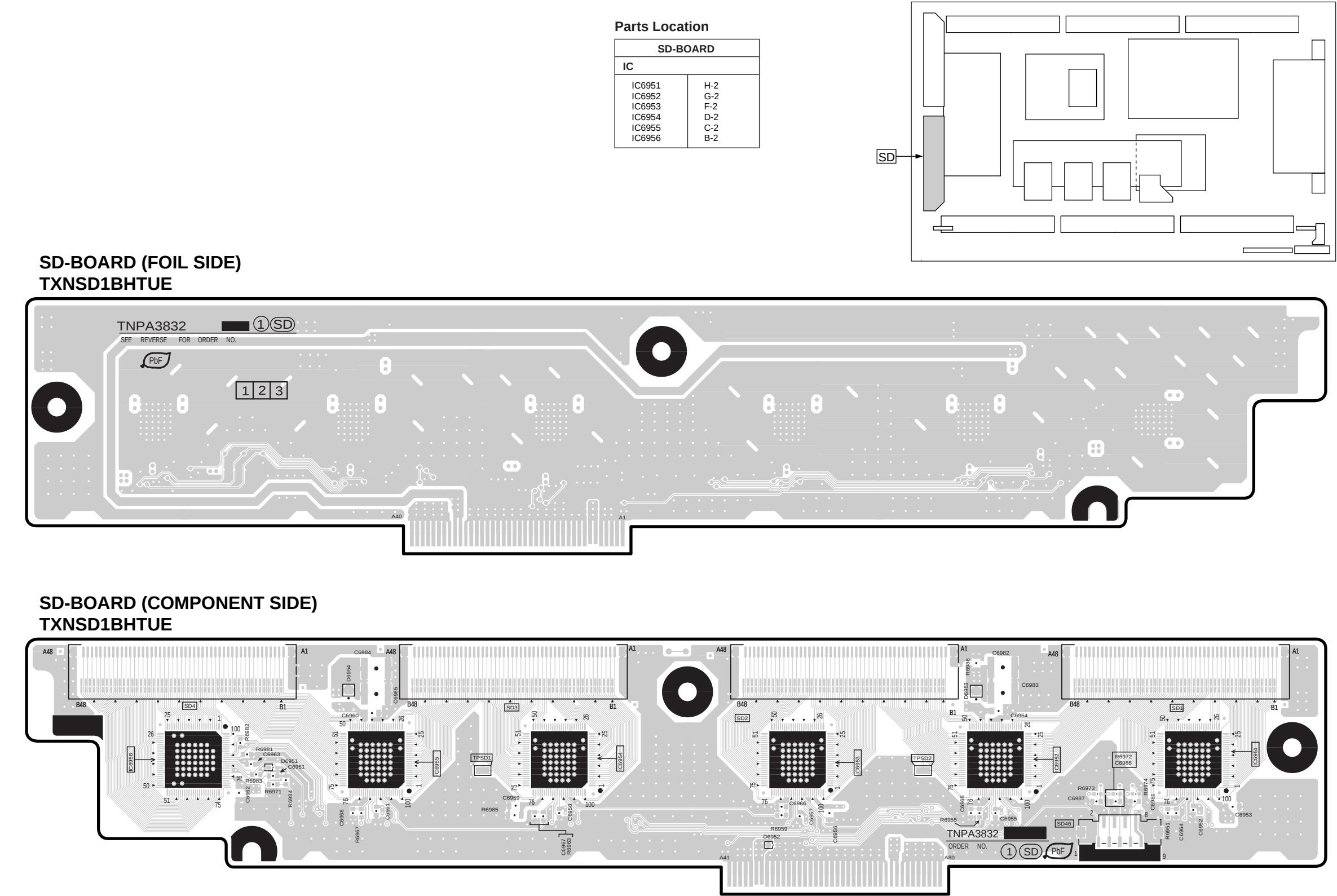
4

3

2

1

TH-50PH9UK
SD-BOARD TXNSD1BHTUE

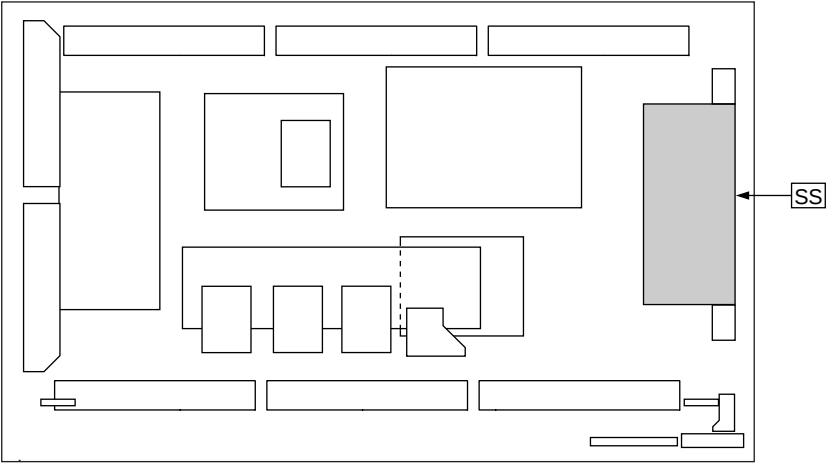


TH-50PH9UK
SD-BOARD TXNSD1BHTUE

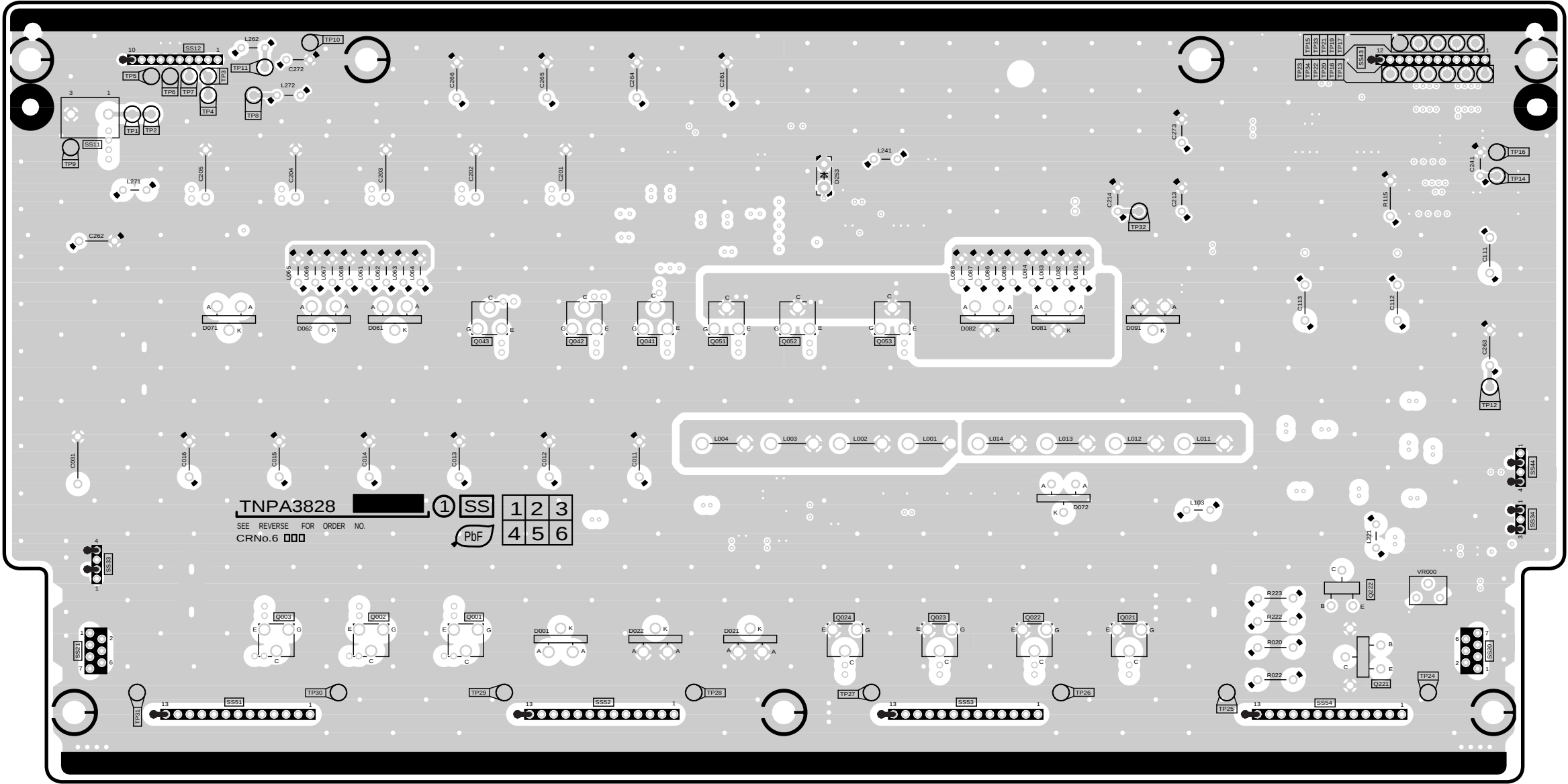
13.19. SS-Board

Parts Location

SS-BOARD (FOIL SIDE)					
TRANSISTOR		TP			
Q6001	C-2	TP1	B-4	TP19	H-4
Q6002	C-2	TP2	B-4	TP20	H-4
Q6003	C-2	TP3	B-4	TP21	H-4
Q6021	G-2	TP4	B-4	TP22	G-4
Q6022	F-2	TP5	B-4	TP23	G-4
Q6023	F-2	TP6	B-4	TP24	H-1
Q6024	E-2	TP7	B-4	TP25	G-1
Q6041	D-3	TP8	B-4	TP26	F-1
Q6042	D-3	TP9	A-4	TP27	E-1
Q6043	C-3	TP10	C-5	TP28	D-1
Q6051	E-3	TP11	B-4	TP29	C-1
Q6052	E-3	TP12	H-3	TP30	C-1
Q6053	E-3	TP13	H-4	TP31	B-1
Q6221	H-1	TP14	H-4	TP32	G-4
Q6222	H-2	TP15	G-4	TP33	H-4
		TP16	H-4	VOLUME	
		TP17	H-4	VR6000	H-2
		TP18	H-4		

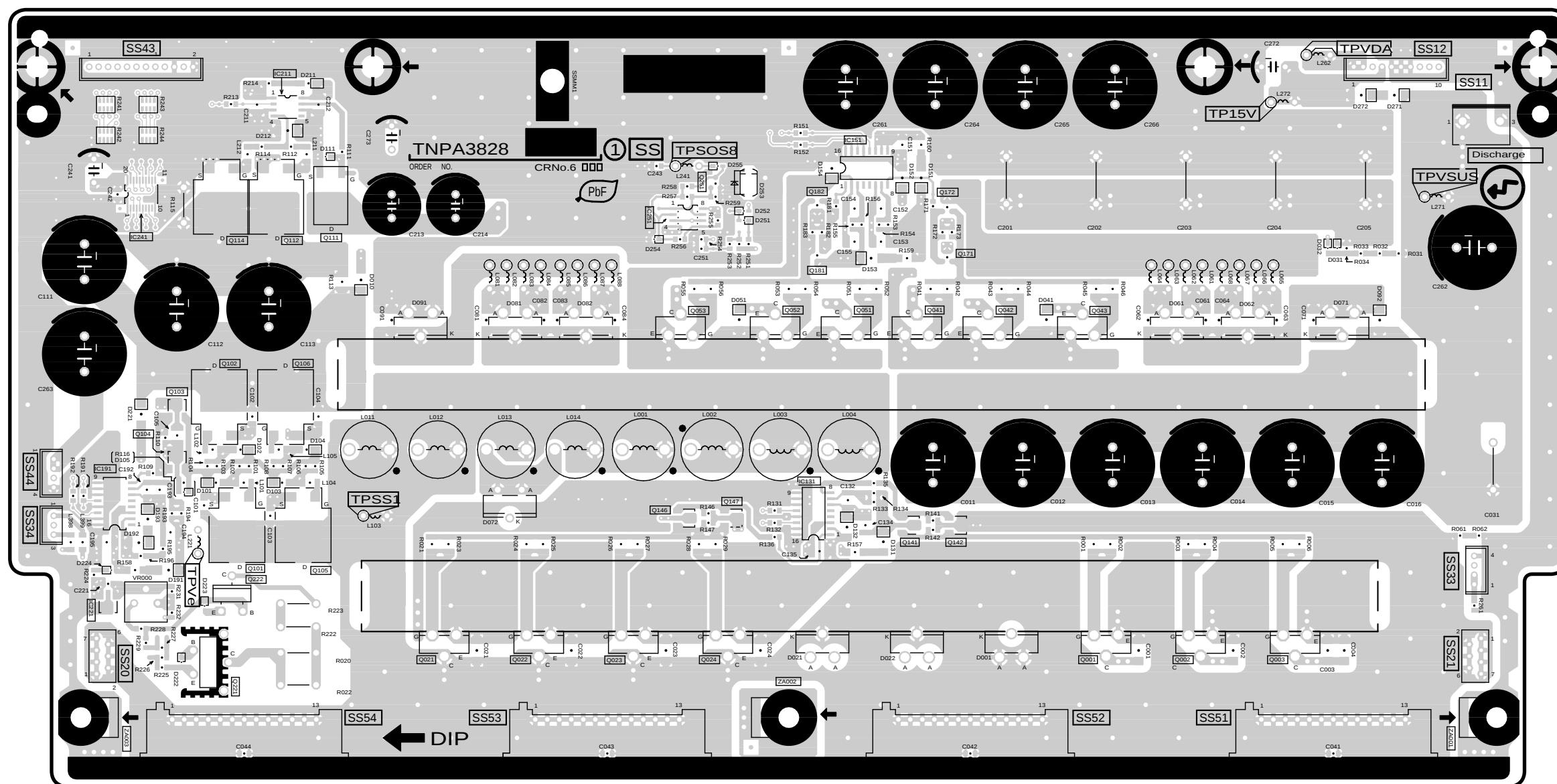
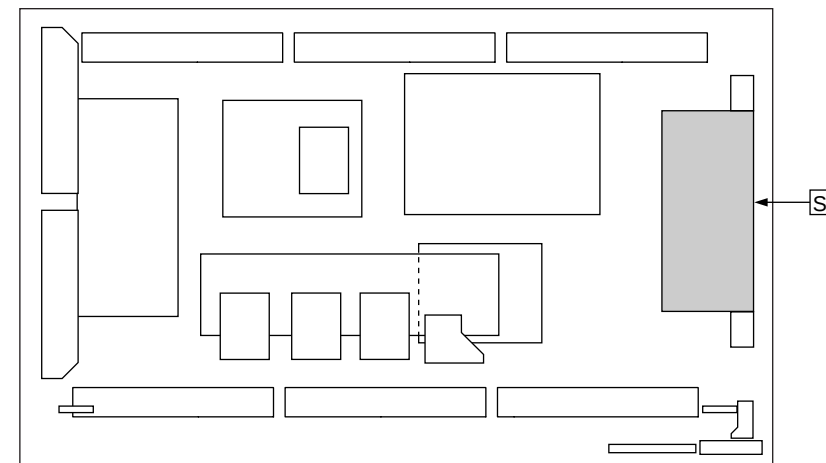


SS-BOARD (FOIL SIDE)
TXNSS1BHTUE



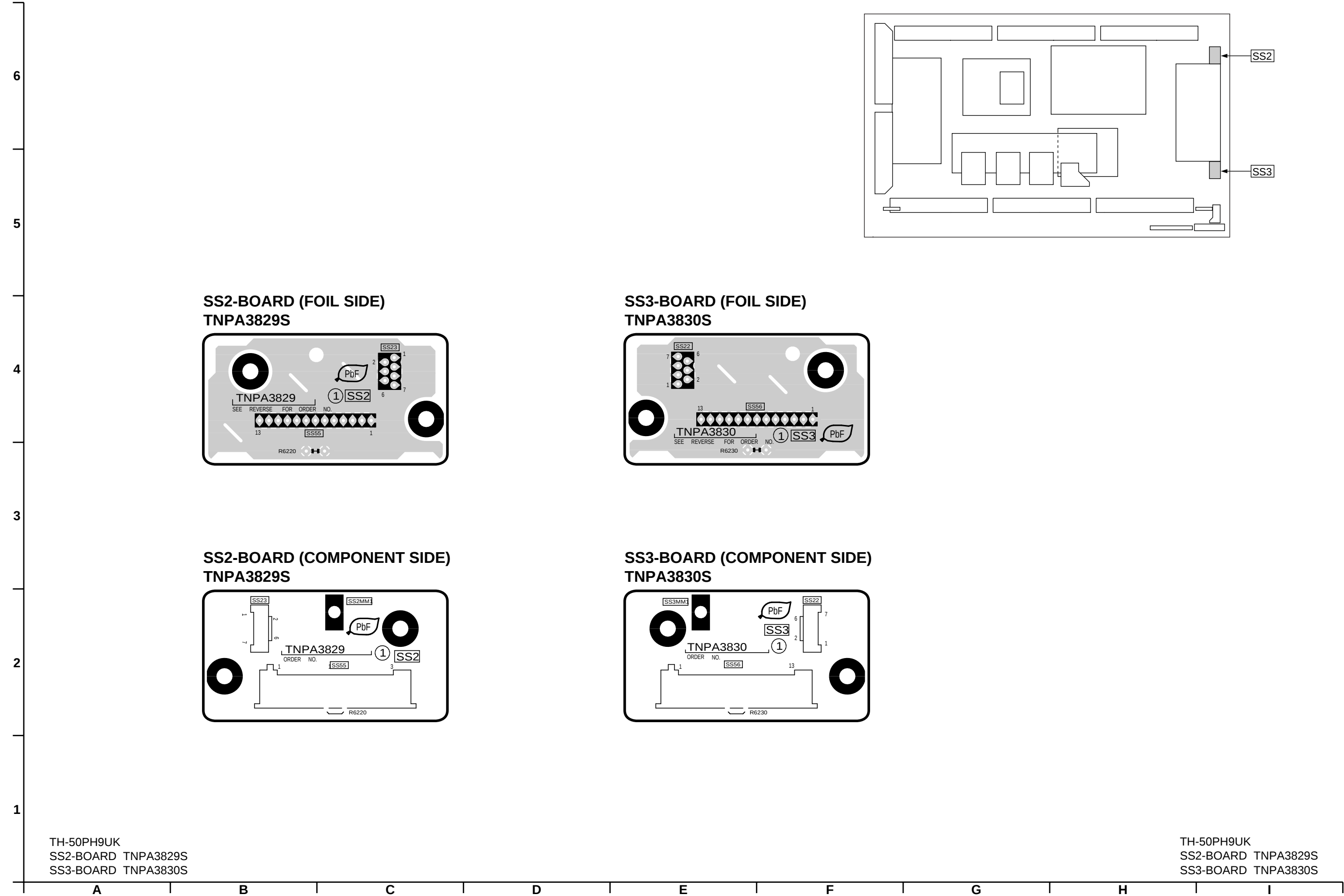
SS-BOARD (COMPONENT SIDE)
TXNSS1BHTUE

SS-BOARD (COMPONENT SIDE)						
IC		Q6043	F-3	Q6221	B-1	
IC6131	E-2	Q6051	E-3	Q6222	B-2	
IC6151	E-4	Q6052	E-3	Q6251	D-4	
IC6191	A-2	Q6053	D-3	TP		
IC6211	B-4	Q6101	B-2	TP15V	G-4	
IC6221	A-2	Q6102	B-3	TP34	G-4	
IC6241	B-4	Q6103	B-3	TPSOS8	D-4	
IC6251	D-4	Q6104	B-3	TPSS1	C-2	
		Q6105	C-2	TPVDA	H-4	
TRANSISTOR		Q6106	B-3	TPVe	B-2	
Q6001	F-1	Q6111	C-4	TPVSUS	H-4	
Q6002	G-1	Q6112	B-4	VOLUME		
Q6003	G-1	Q6114	B-4	VR6000	B-2	
Q6021	C-1	Q6141	E-2			
Q6022	C-1	Q6142	F-2			
Q6023	D-1	Q6146	D-2			
Q6024	D-1	Q6147	E-2			
Q6041	F-3	Q6171	F-3			
Q6042	F-3	Q6182	E-4			



TH-50PH9UK
SS-BOARD TXNSS1BHTUE

13.20. SS2 and SS3-Board



14 Block and Schematic Diagram

14.1. Schematic Diagram Notes

Important Safety Notice

Components identified by $\triangle$ mark have special characteristics important for safety.
When replacing any of these components, use only manufacture's specified parts.

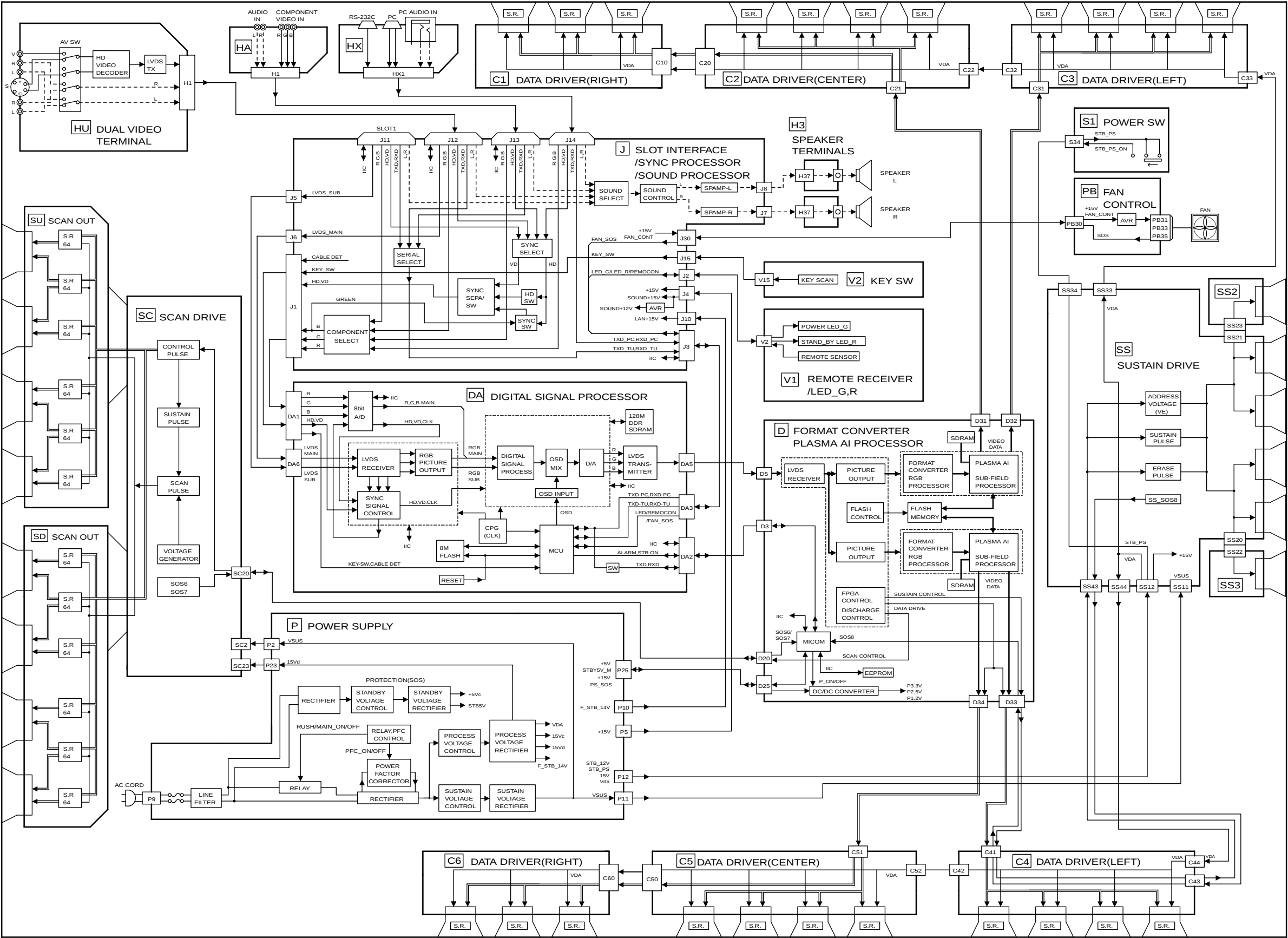
Notes:

- 1. **Resistor**
Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).
- 2. **Capacitor**
Unit of capacitance is μ F, unless otherwise noted.
- 3. Coil
Unit of inductance is H, unless otherwise noted.
- 4. Test Point
 : Test Point position
- 5. Earth Symbol
 : Chassis Earth (Cold)  : Line Earth (Hot)
- 6. Voltage Measurement
Voltage is measured by a DC voltmeter.
Conditions of the measurement are the following:
Power Source AC120V, 50/60Hz
Receiving Signal Colour Bar signal (RF)
All customer's controls Maximum positions
- 7. When arrow mark () is found, connection is easily found from the direction of arrow.
- 8. Indicates the major signal flow. : Video  Audio 
- 9. This schematic diagram is the latest at the time of printing and subject to change without notice.

Remarks:

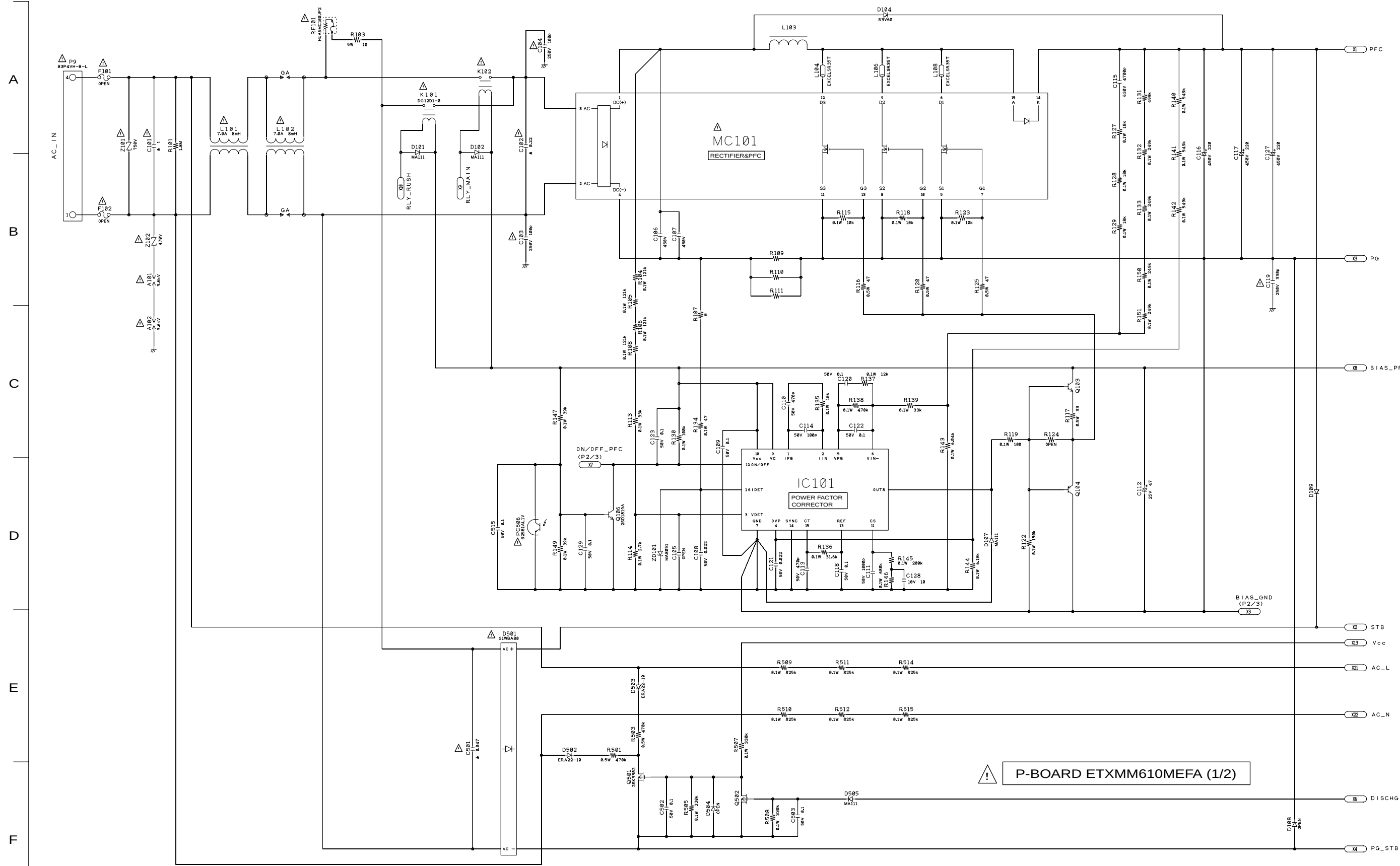
- 1. The Power Circuit contains a circuit area which uses a separate power supply to isolate the earth connection.
The circuit is defined by HOT and COLD indications in the schematic diagram. Take the following precautions.
All circuits, except the Power Circuit, are cold.
Precautions
 - a. Do not touch the hot part or the hot and cold parts at the same time or you may be shocked.
 - b. Do not short- circuit the hot and cold circuits or a fuse may blow and parts may break.
 - c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously or a fuse may blow.
Connect the earth of instruments to the earth connection of the circuit being measured.
 - d. Make sure to disconnect the power plug before removing the chassis.

14.2. Main Block Diagram



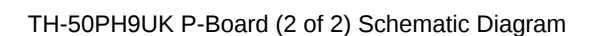


14.4. P-Board (1 of 2) Schematic Diagram



TH-50PH9UK P-Board (1 of 2) Schematic Diagram

TH-50PH9UK P-Board (1 of 2) Schematic Diagram



14.6. PB-Board Block and Schematic Diagram

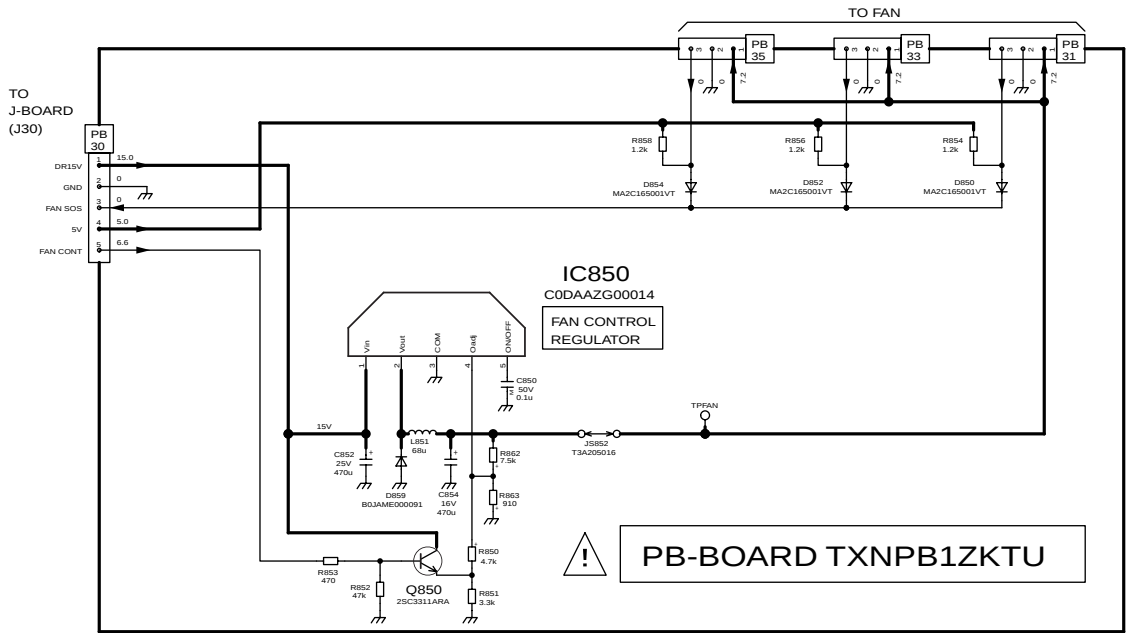
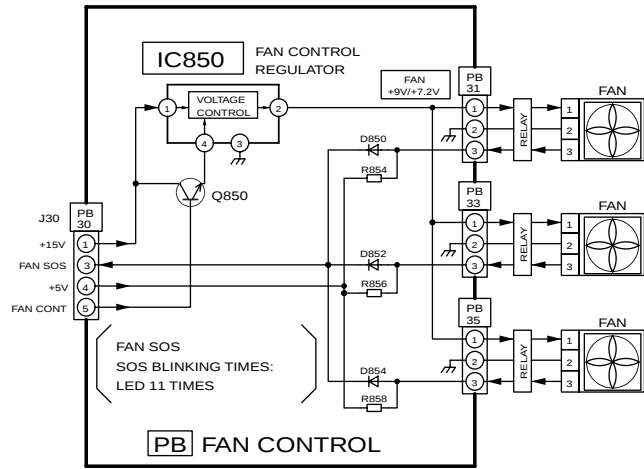
A

B

C

D

E



TH-50PH9UK
PB-Board Block and Schematic Diagram

TH-50PH9UK
PB-Board Block and Schematic Diagram

14.7. HA-Board Block and Schematic Diagram

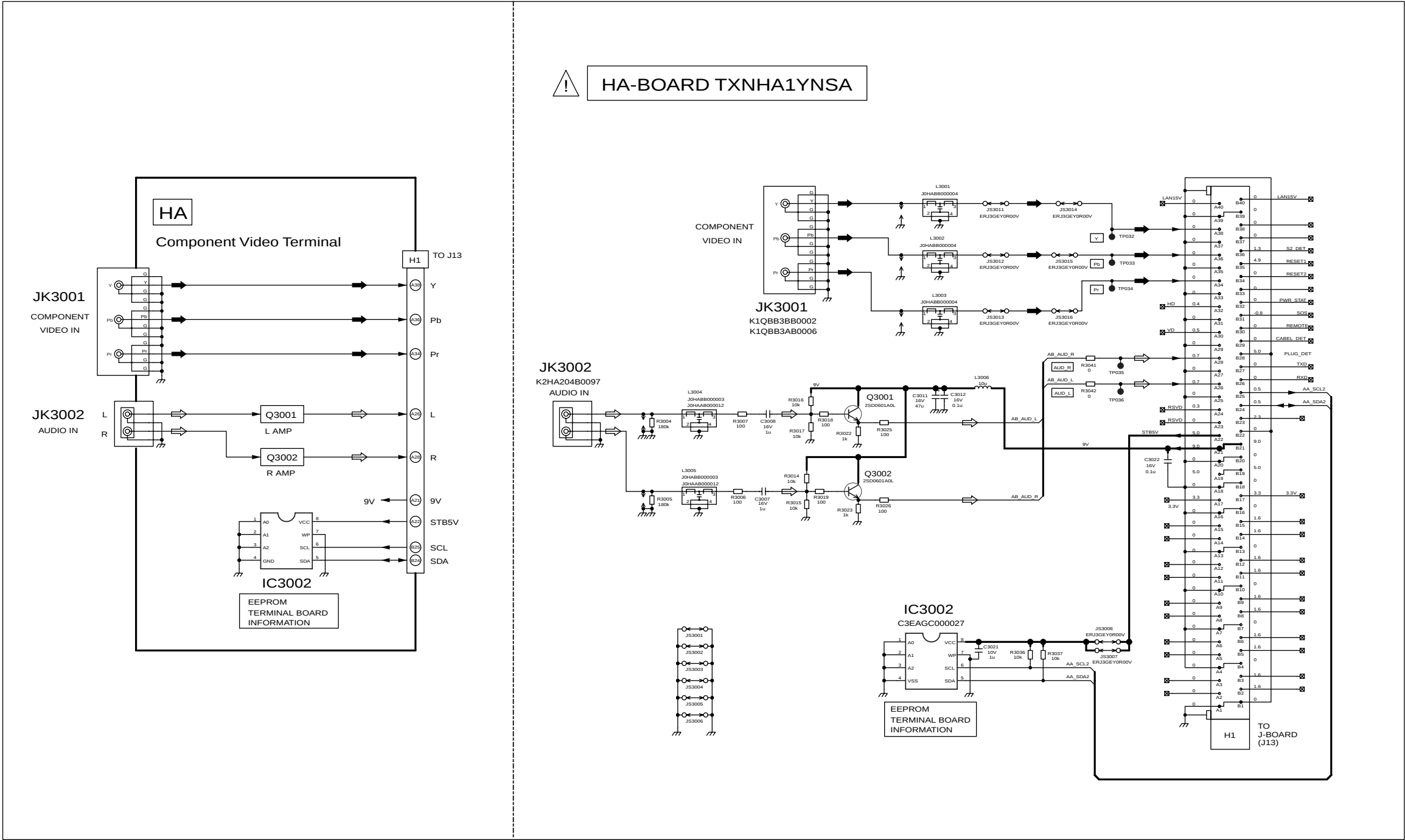
A

B

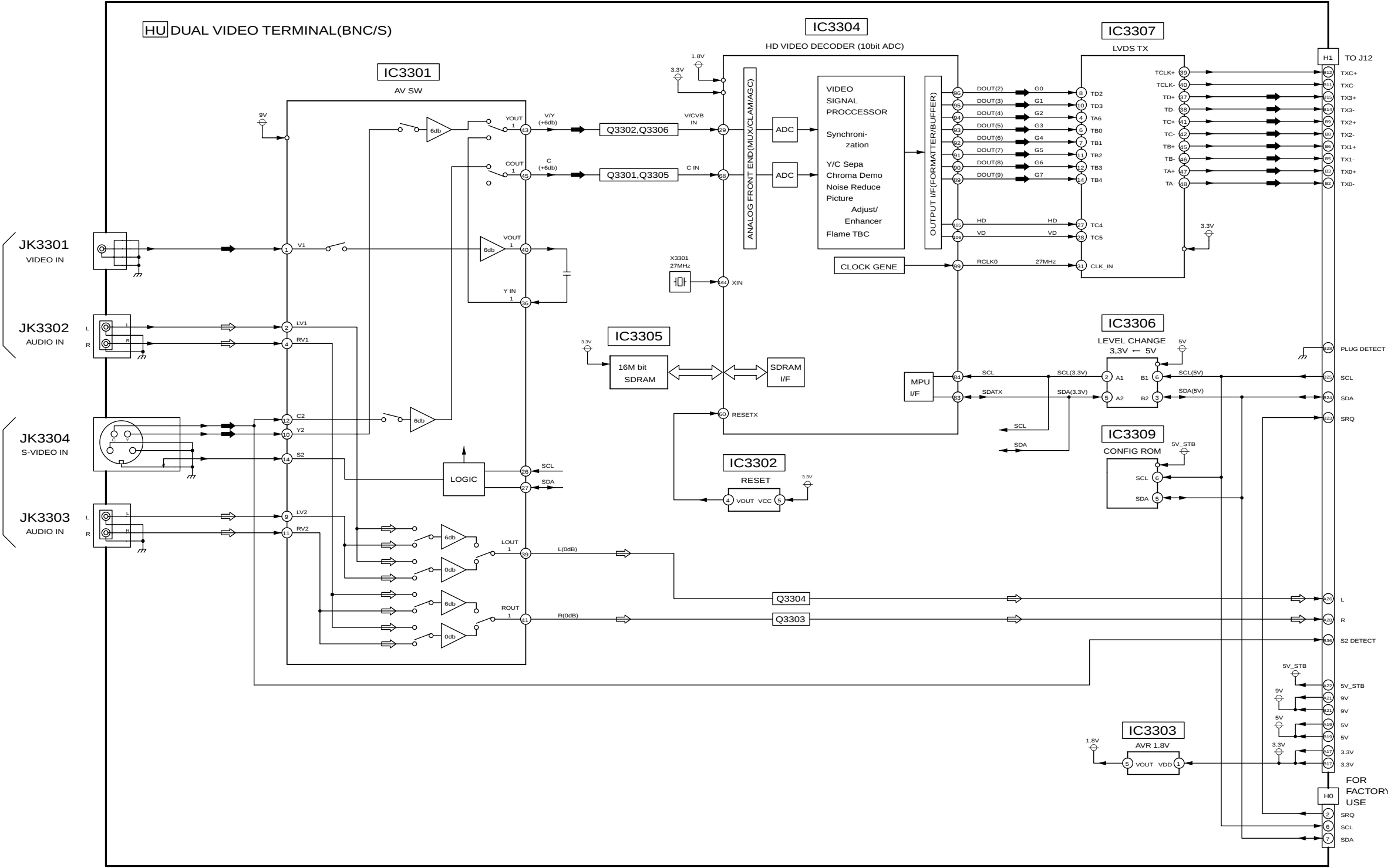
C

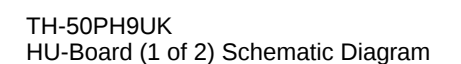
D

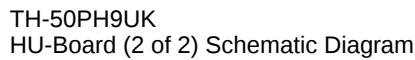
E



14.8. HU-Board Block Diagram

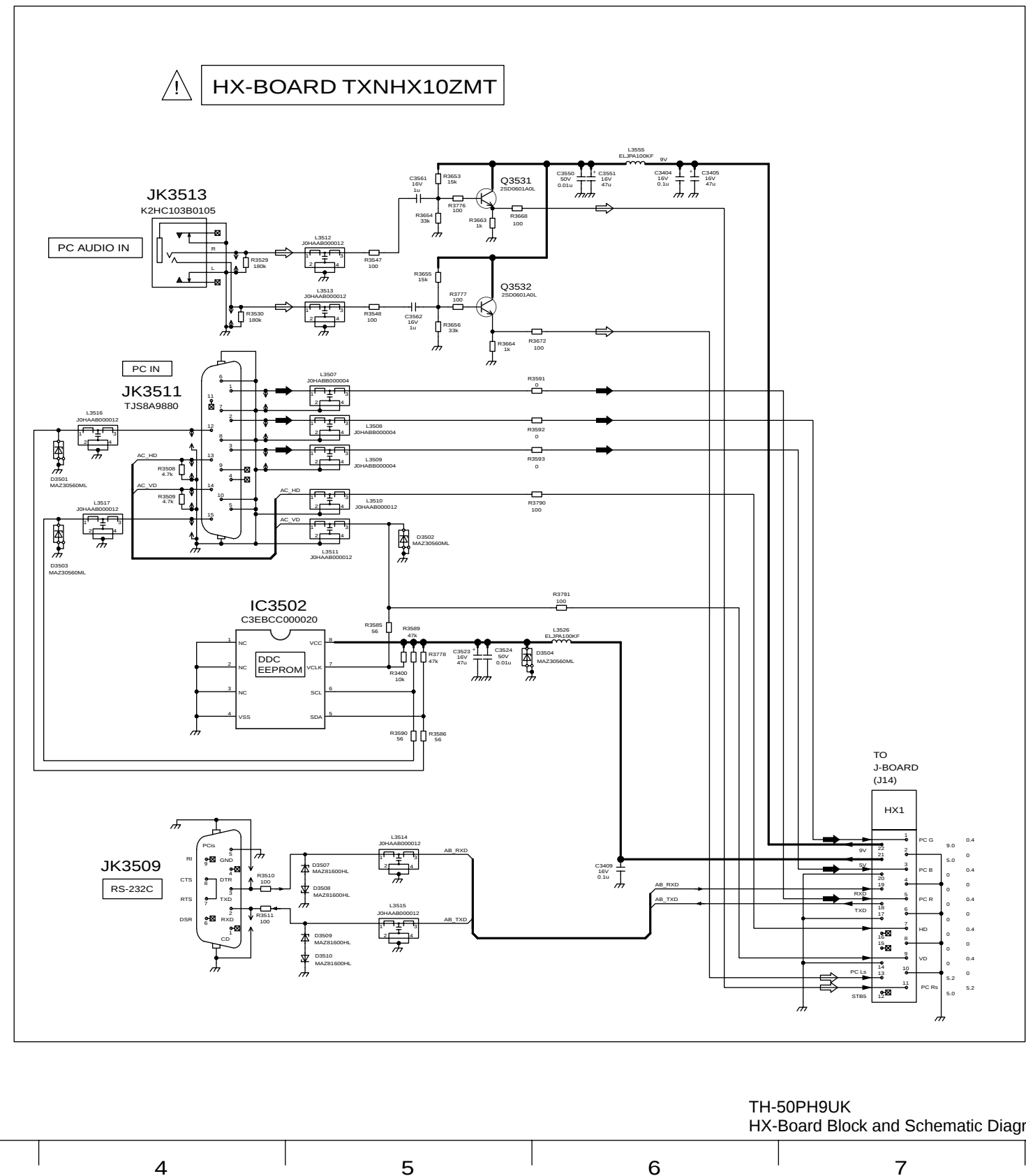
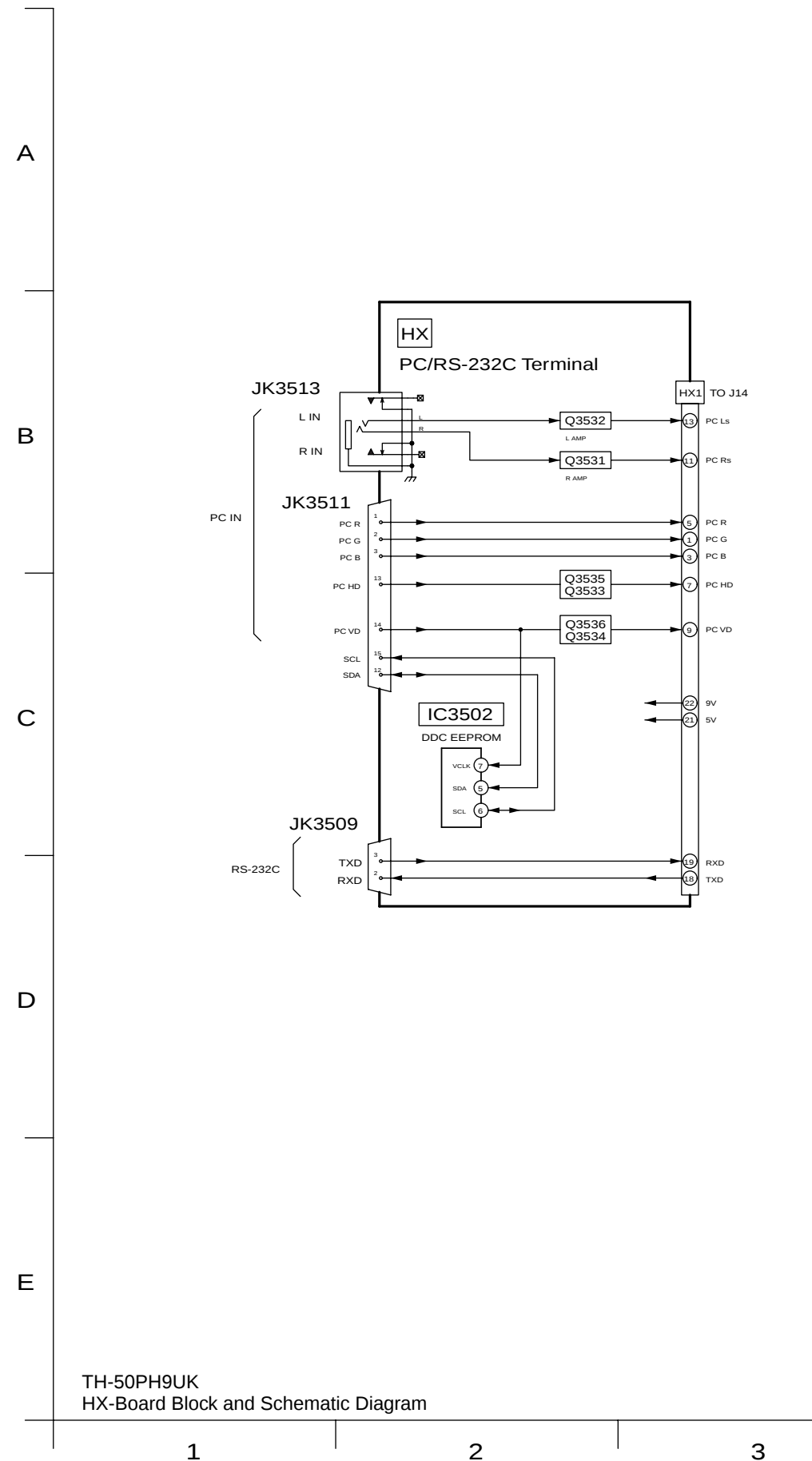






TH-50PH9UK
HU-Board (2 of 2) Schematic Diagram

14.11. HX-Board Block and Schematic Diagram



14.12. V1 and V2-Board Block and Schematic Diagram

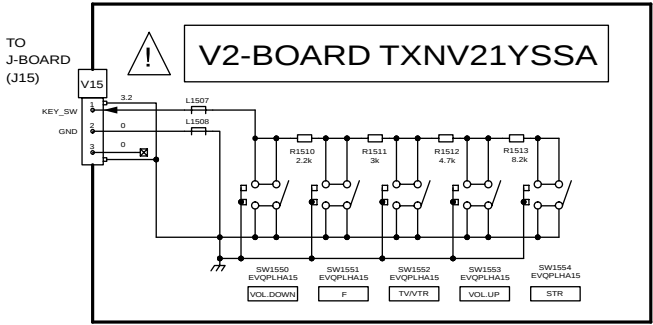
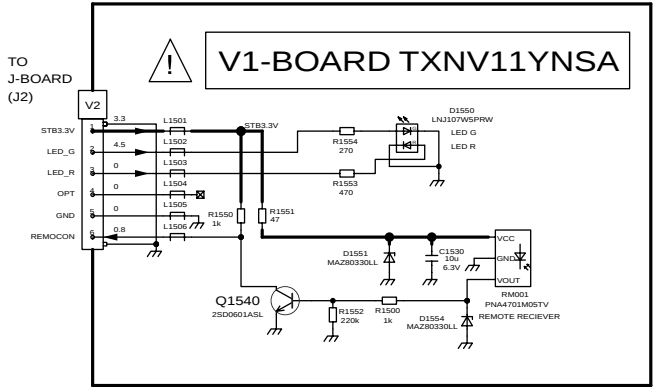
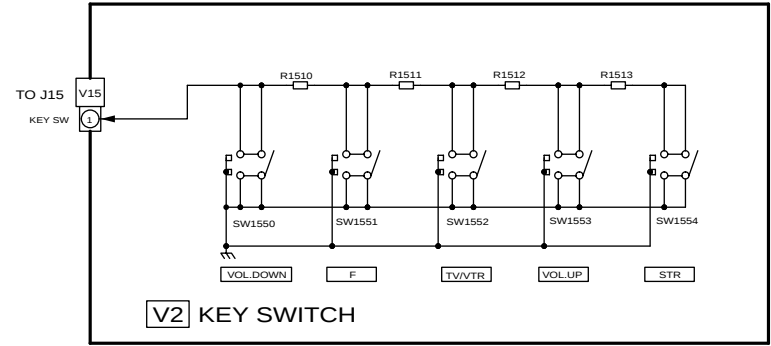
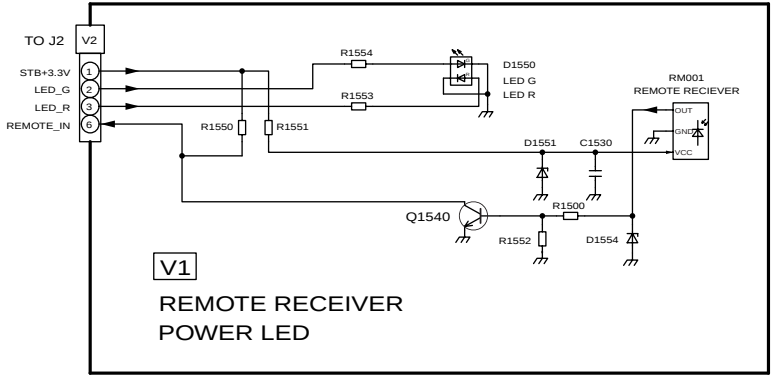
A

B

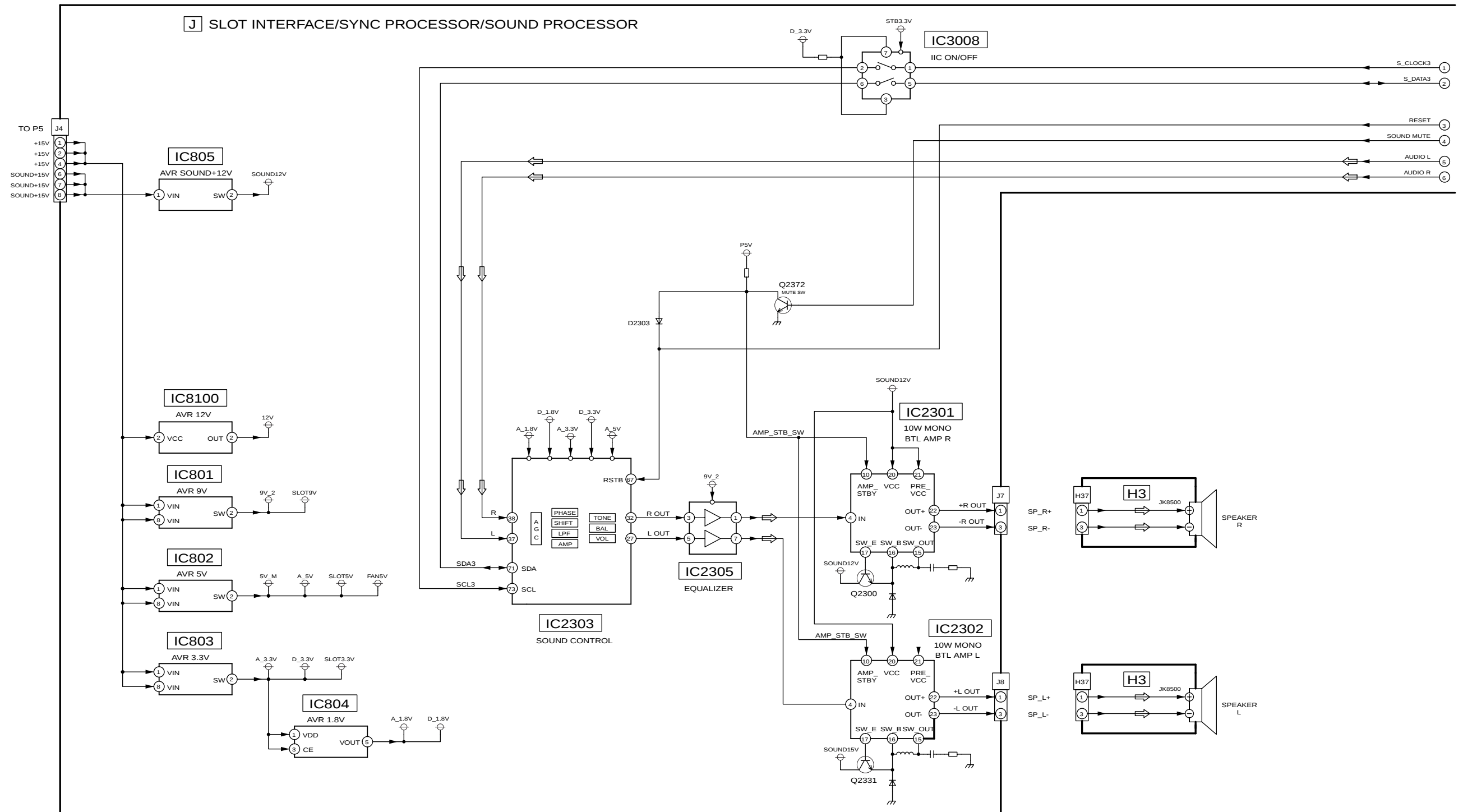
C

D

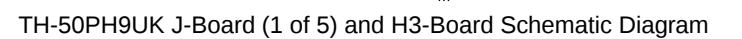
E

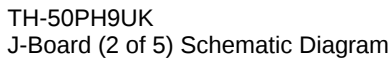


14.13. J-Board (1 of 2) Block Diagram





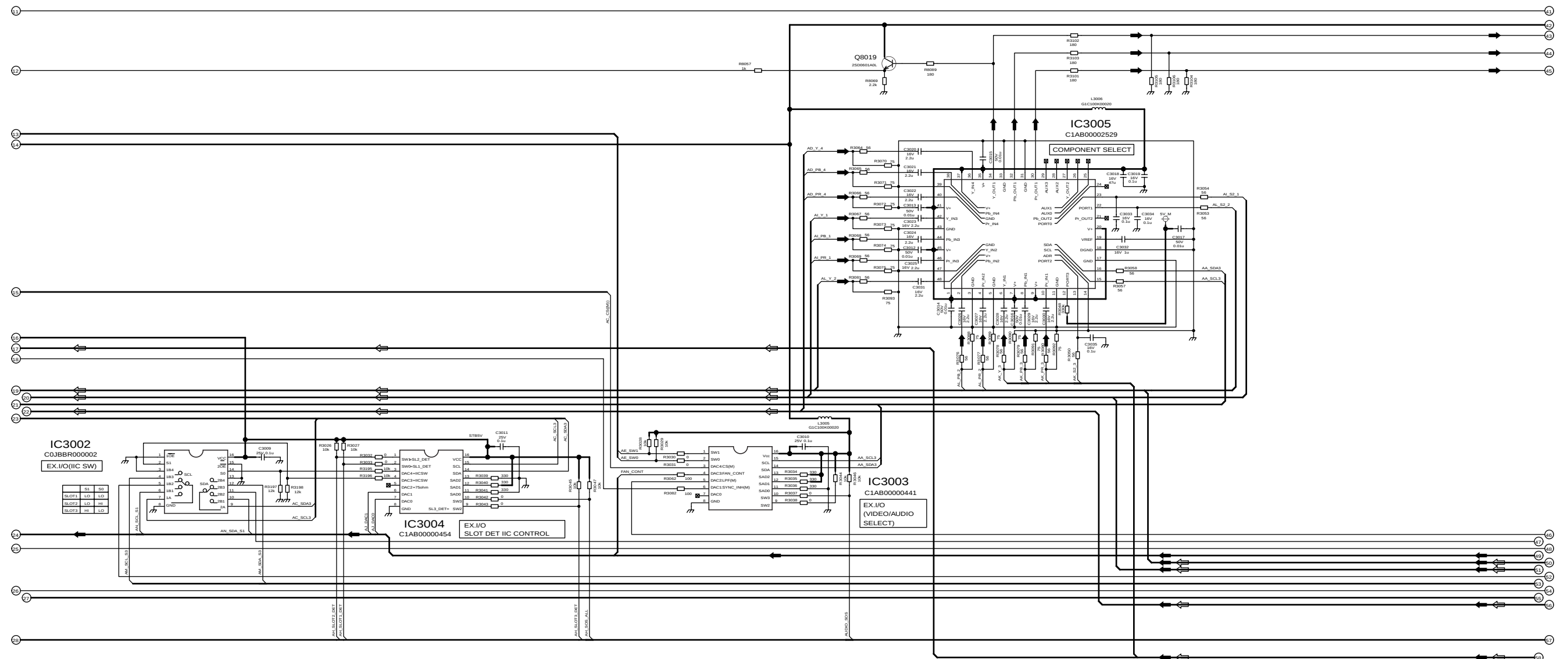


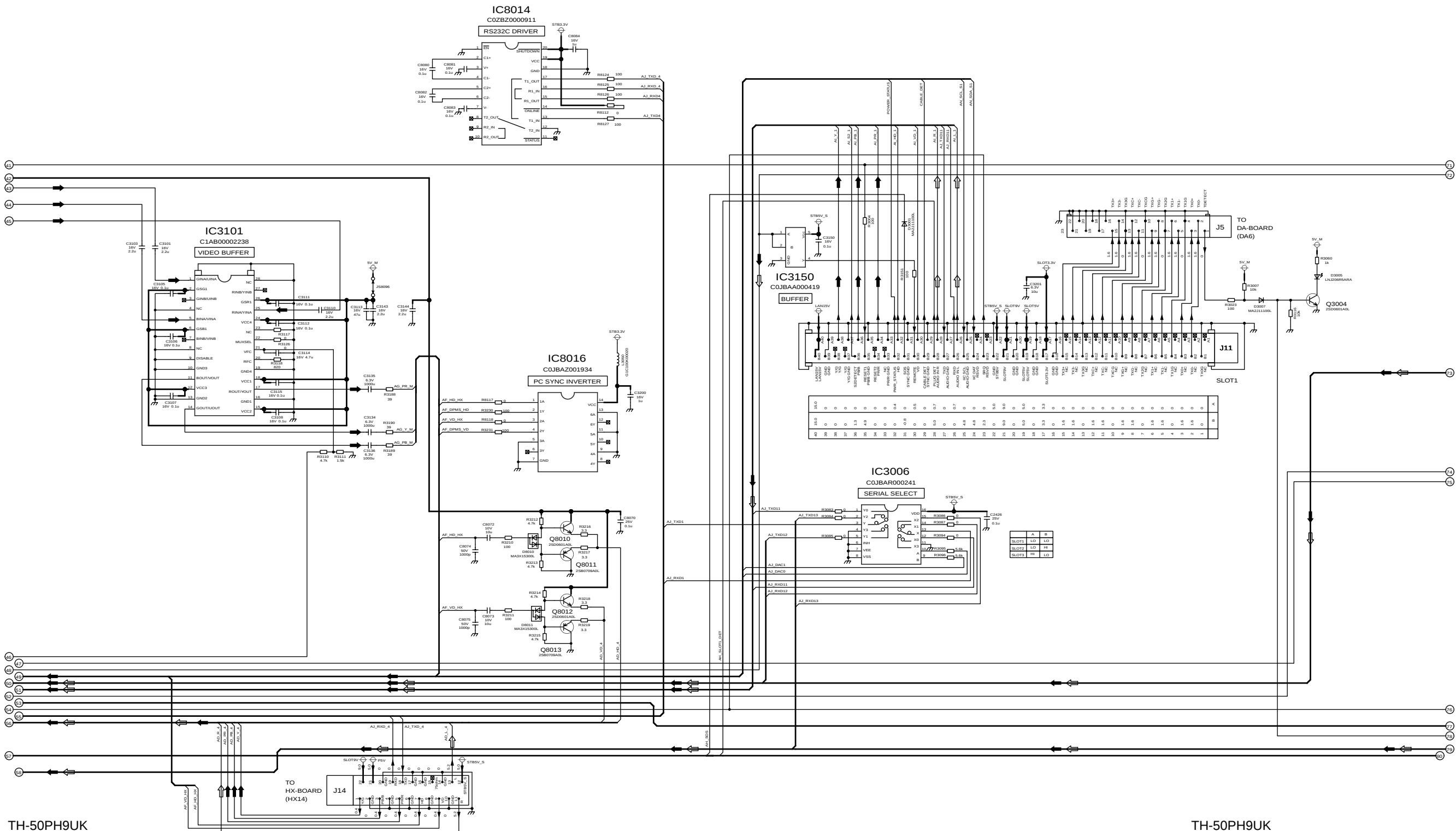


TH-50PH9UK
J-Board (2 of 5) Schematic Diagram

14.17. J-Board (3 of 5) Schematic Diagram

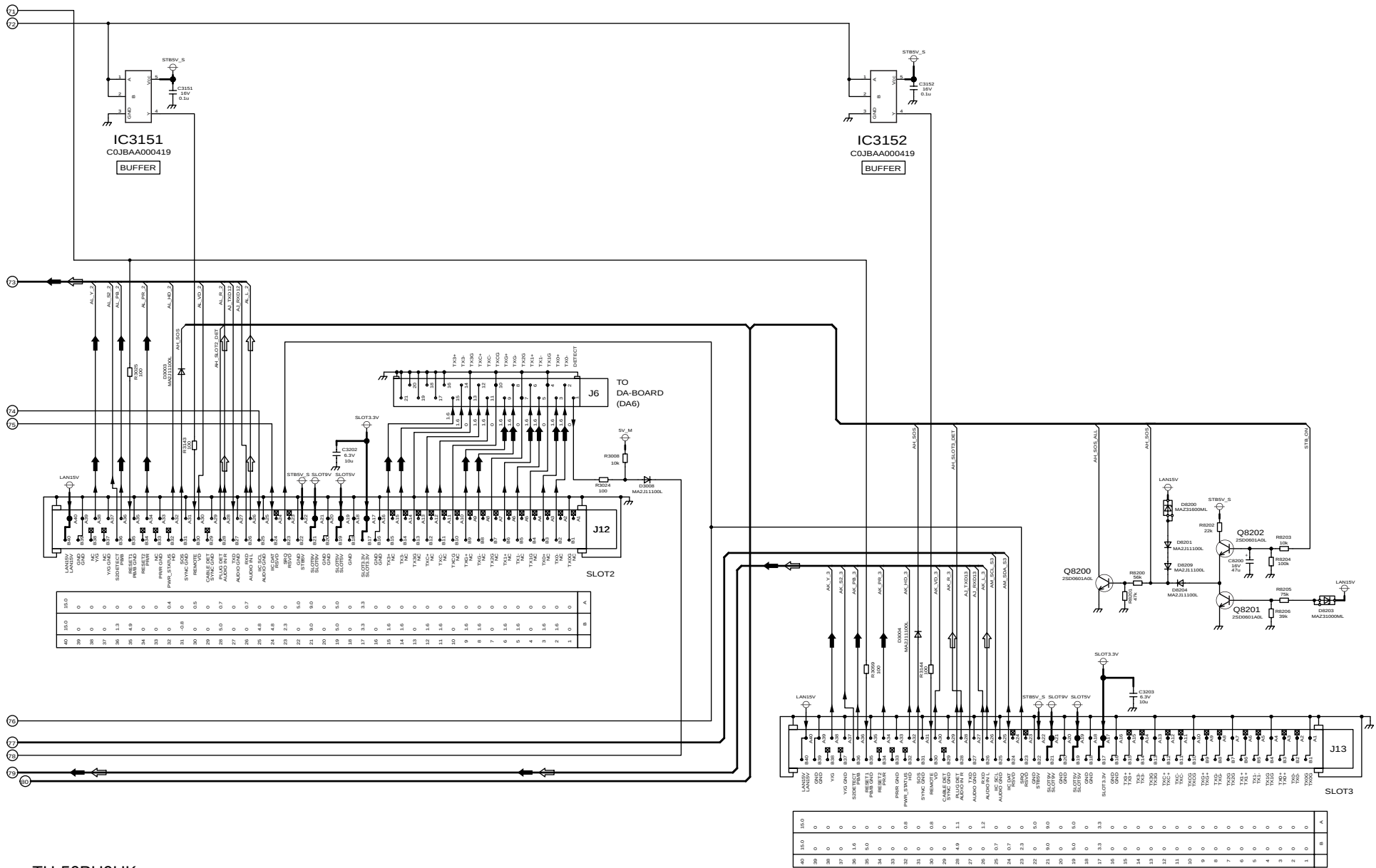
⚠ J-BOARD TNPA3896S (3/5)





14.19. J-Board (5 of 5) Schematic Diagram

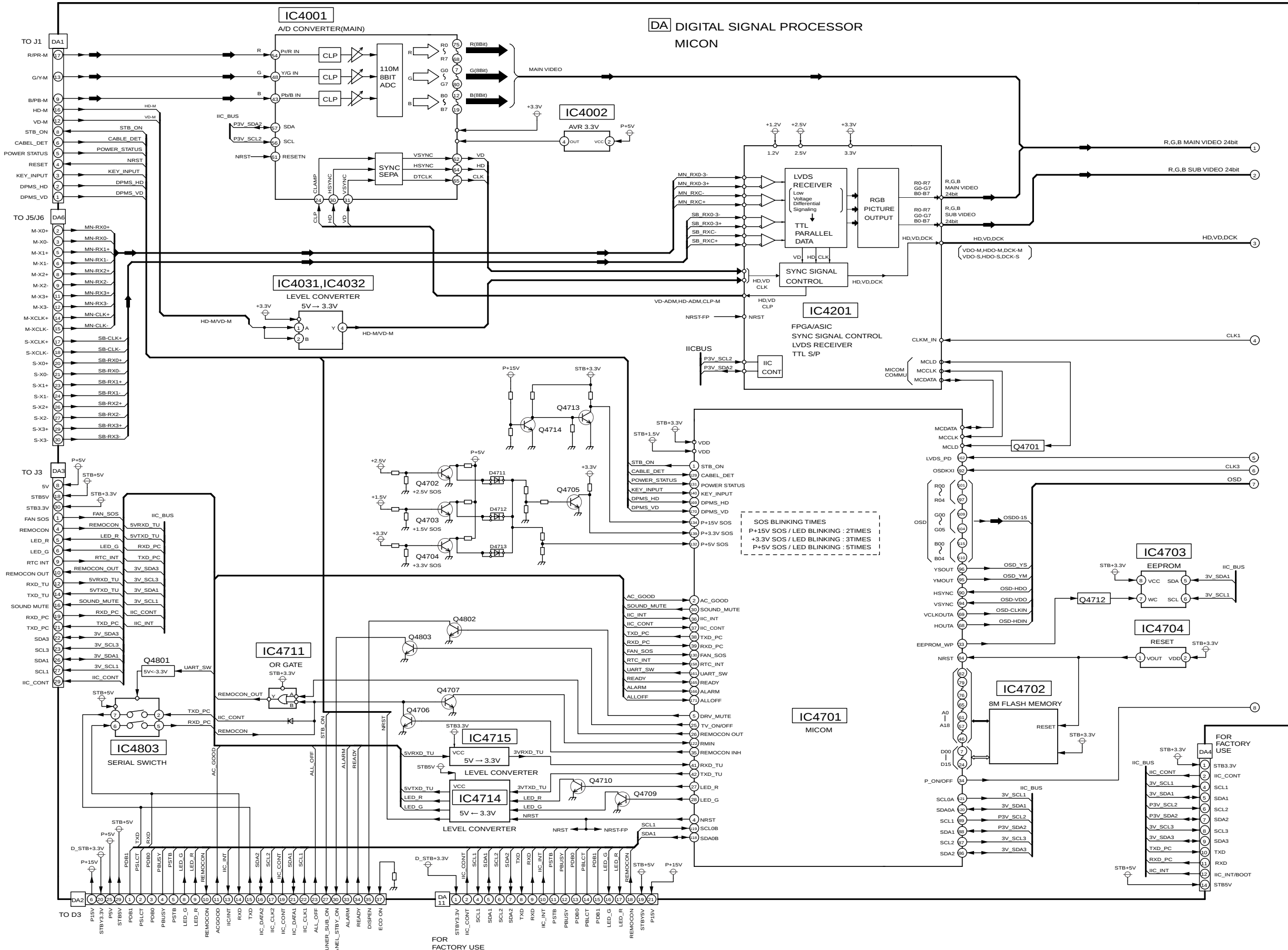
J-BOARD TNPA3896S (5/5)

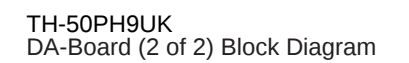


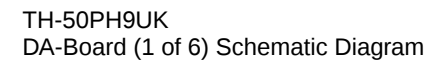
TH-50PH9UK
J-Board (5 of 5) Schematic Diagram

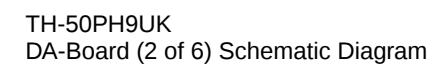
TH-50PH9UK
J-Board (5 of 5) Schematic Diagram

14.20. DA-Board (1 of 2) Block Diagram

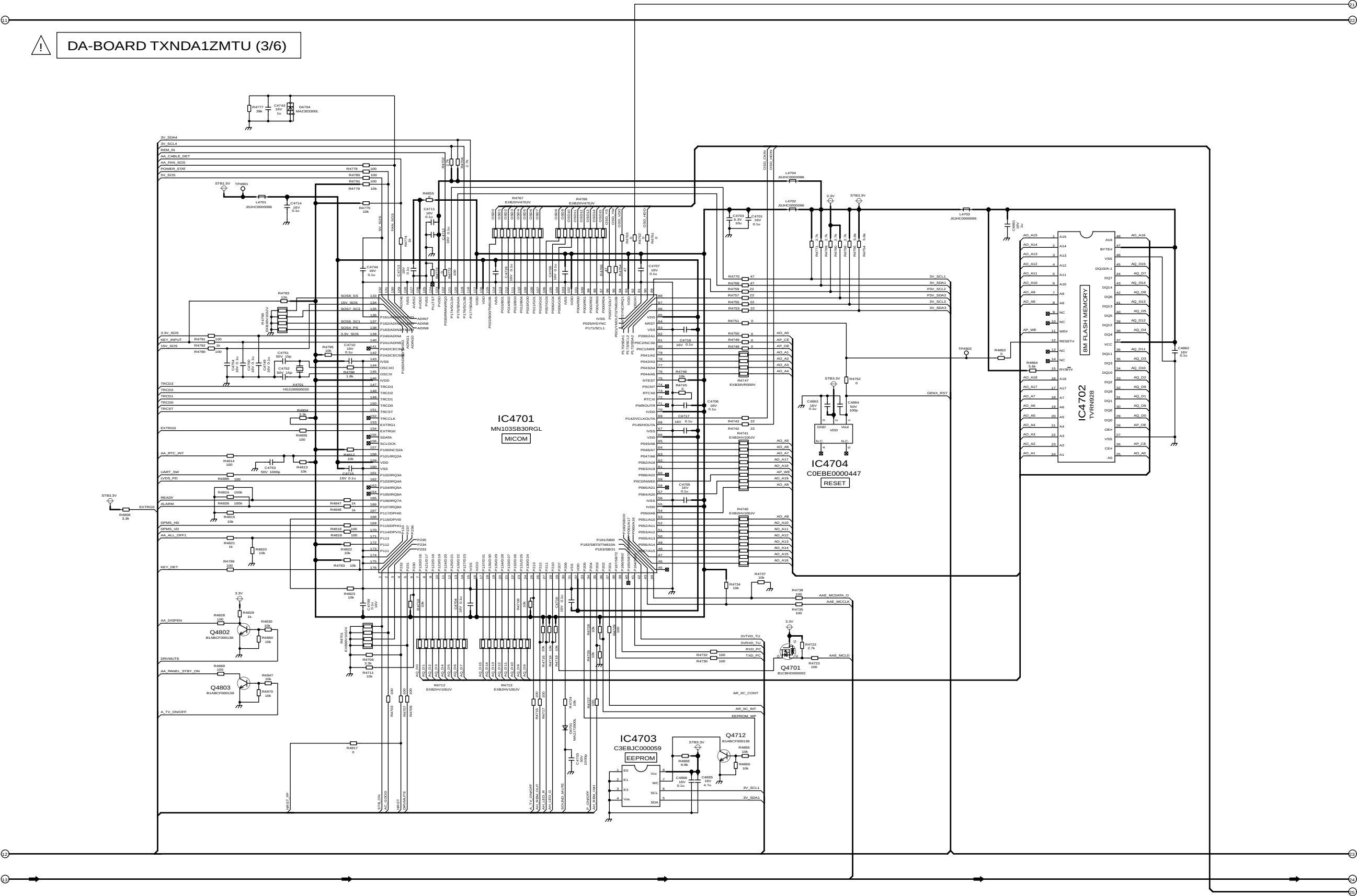




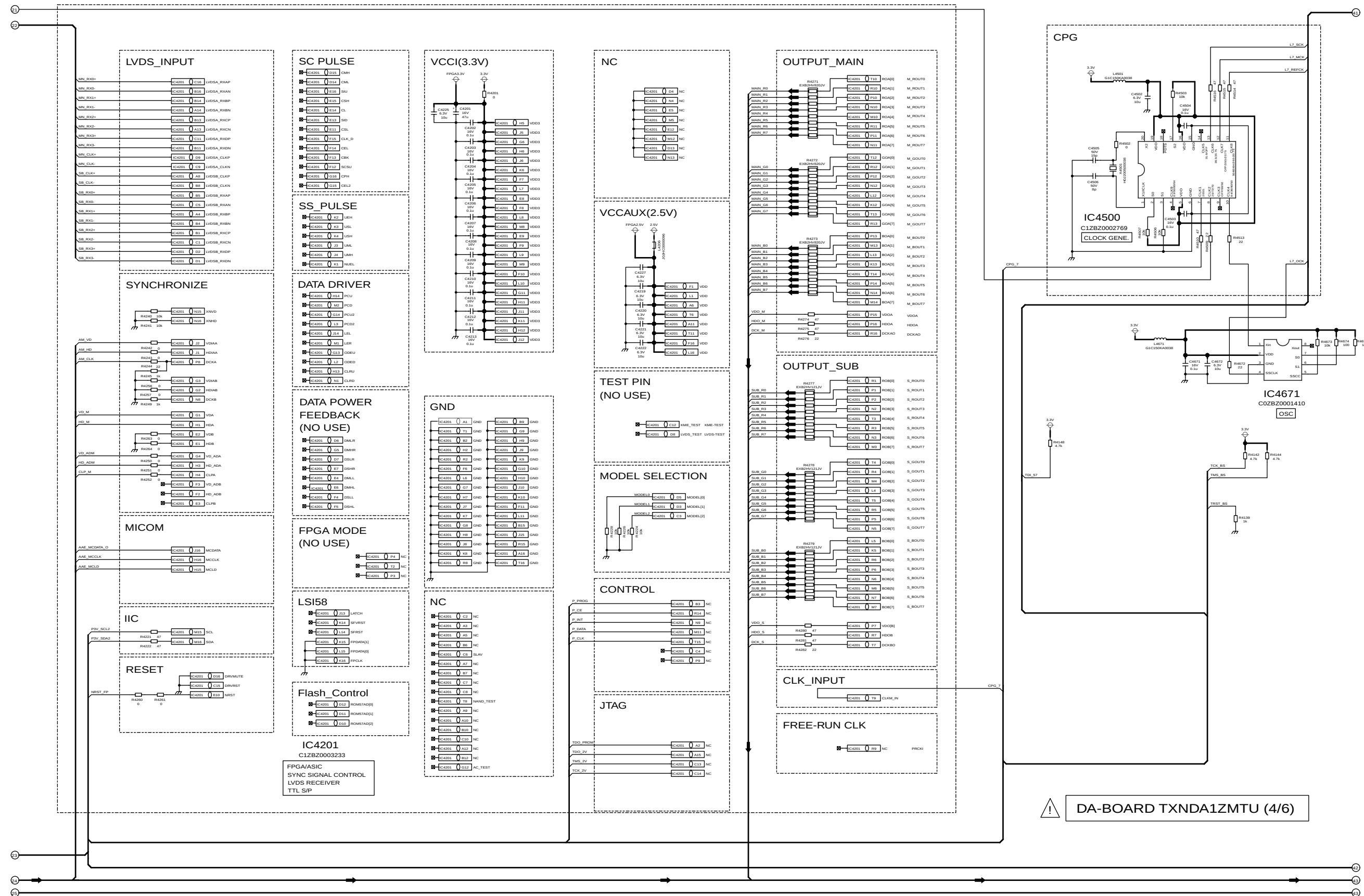




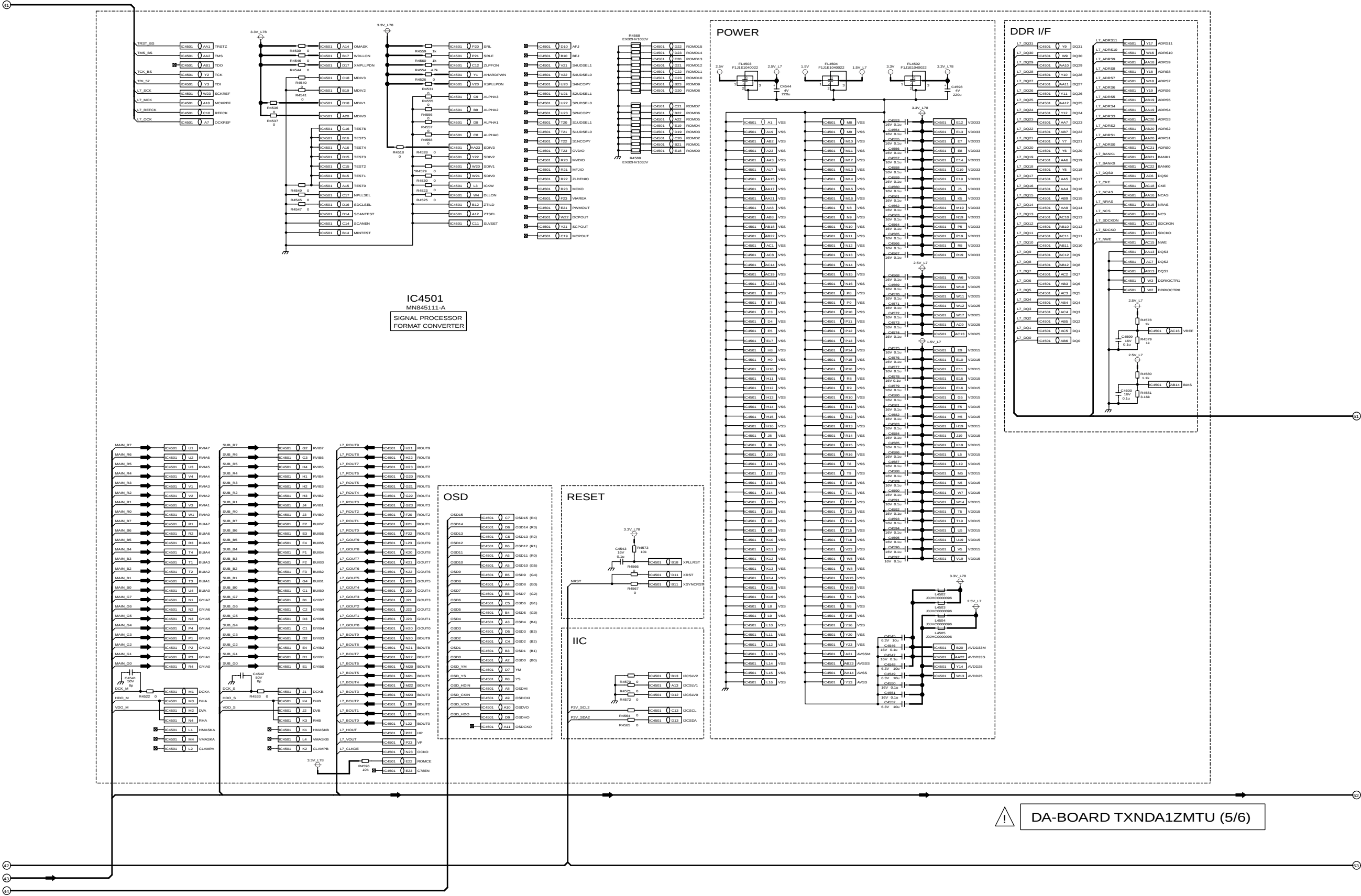
14.24. DA-Board (3 of 6) Schematic Diagram



14.25. DA-Board (4 of 6) Schematic Diagram

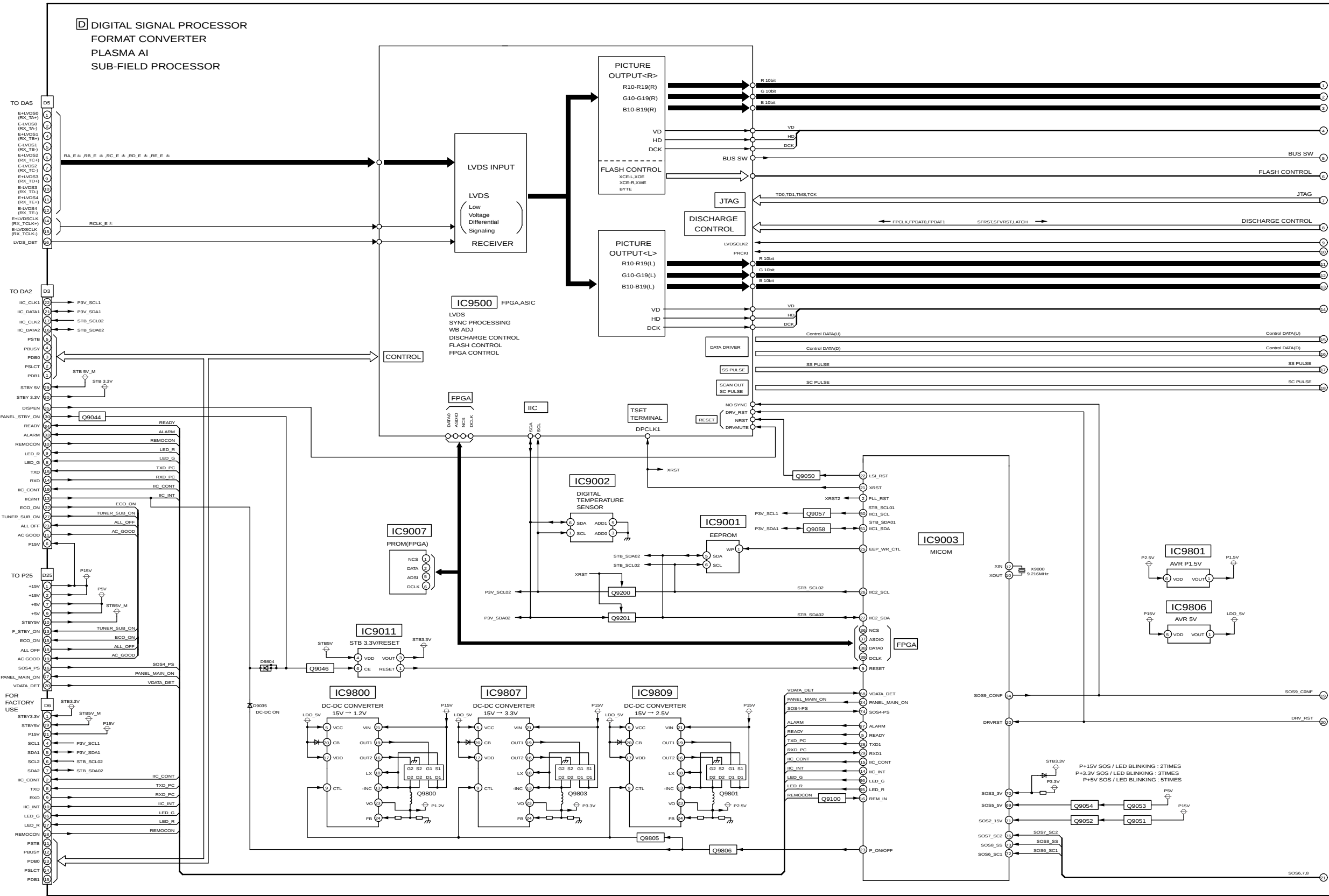
TH-50PH9UK
DA-Board (4 of 6) Schematic DiagramTH-50PH9UK
DA-Board (4 of 6) Schematic Diagram

14.26. DA-Board (5 of 6) Schematic Diagram

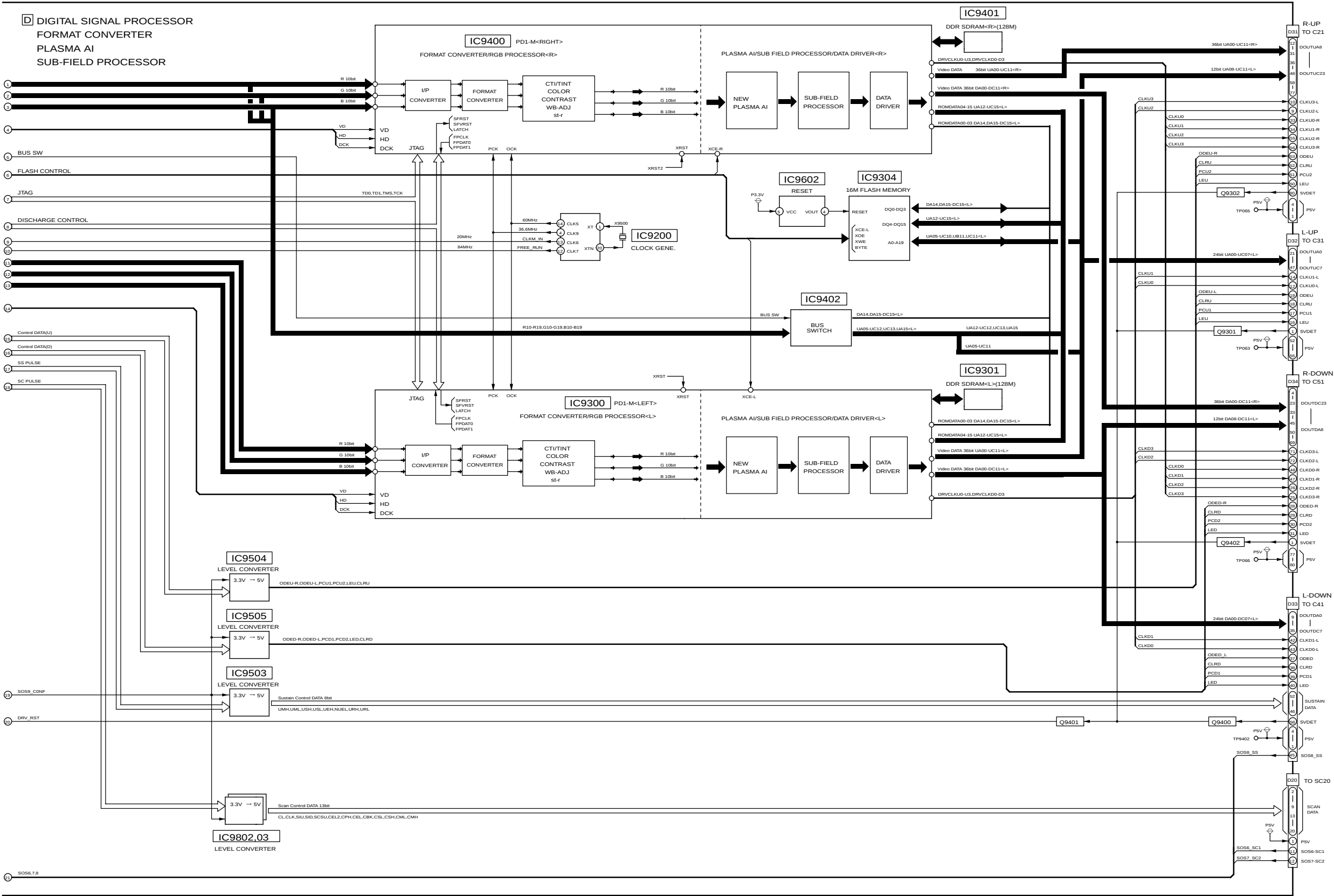


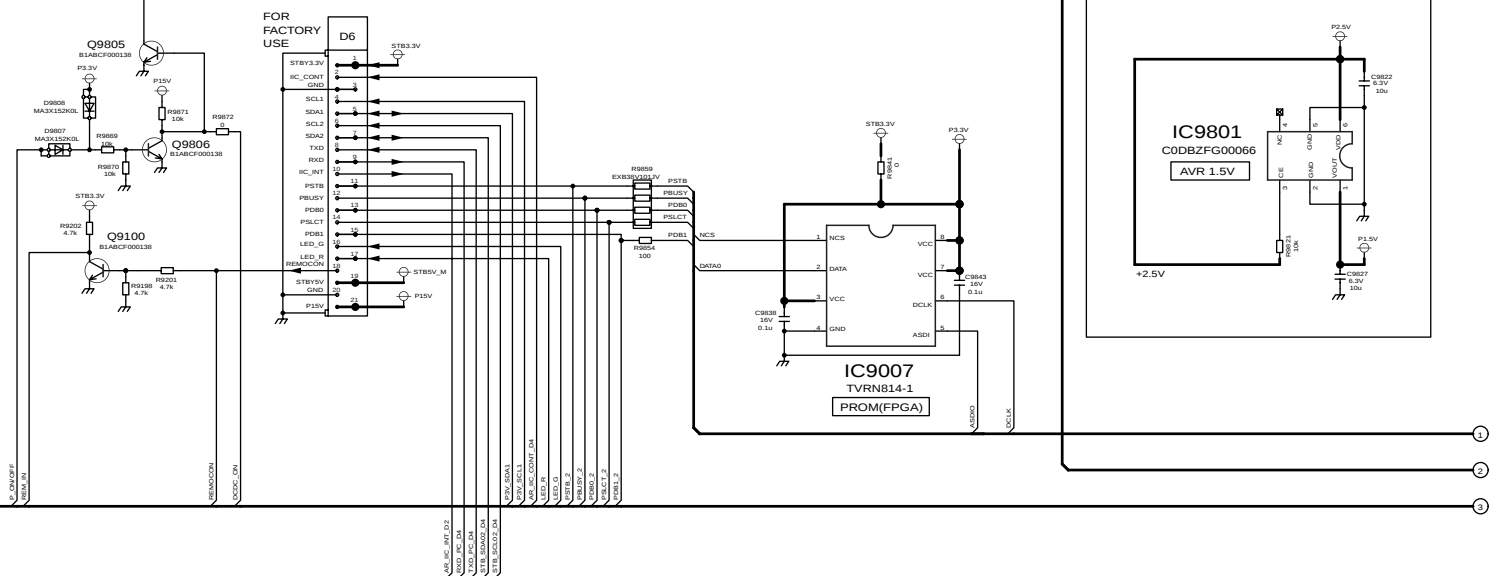
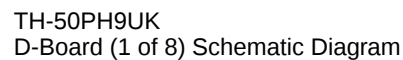
DA-BOARD TXNDA1ZMTU (5/6)

14.28. D-Board (1 of 2) Block Diagram



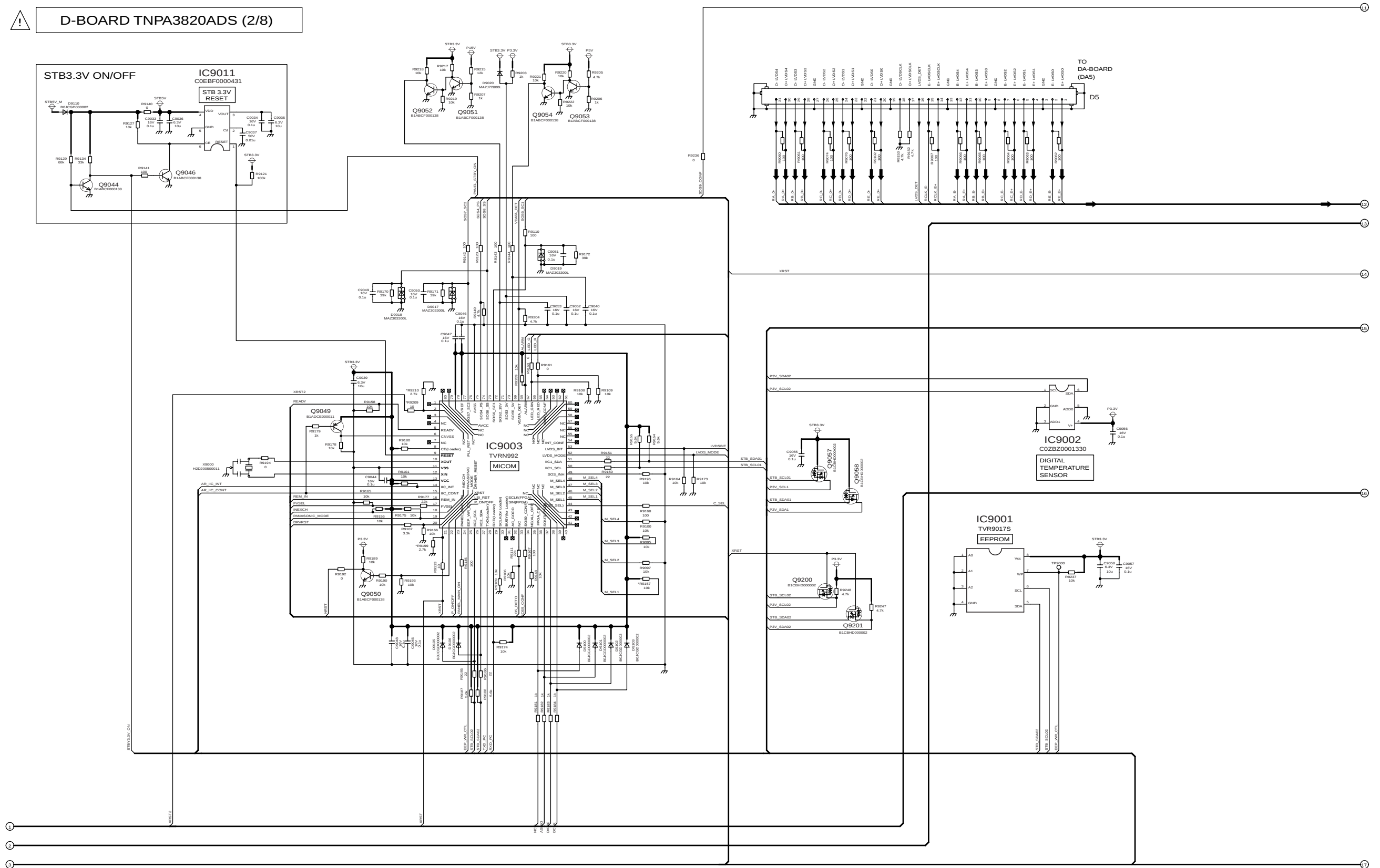
14.29. D-Board (2 of 2) Block Diagram





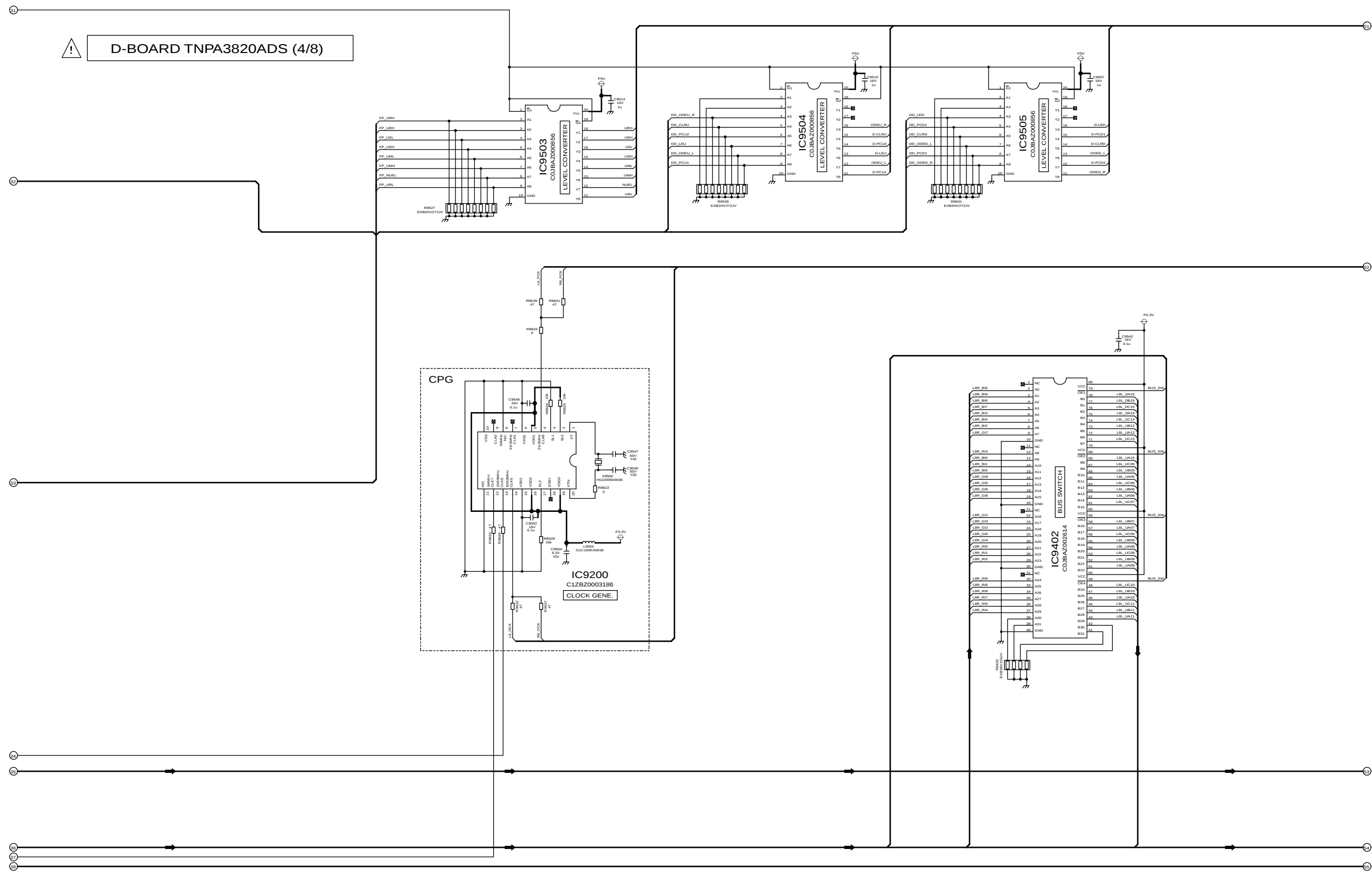
TH-50PH9UK
D-Board (1 of 8) Schematic Diagram

14.31. D-Board (2 of 8) Schematic Diagram

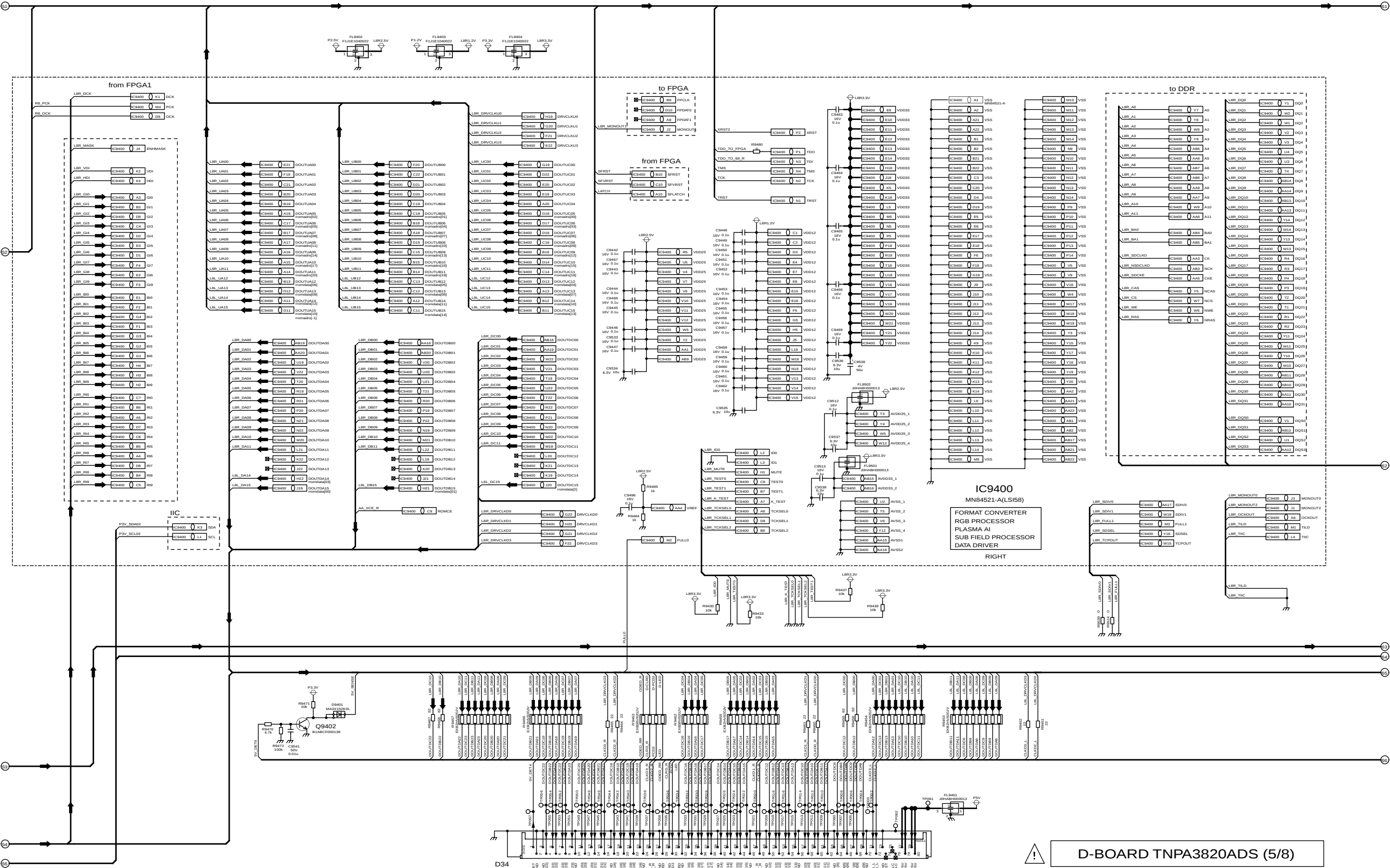




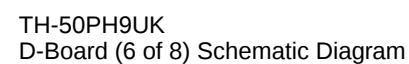
14.33. D-Board (4 of 8) Schematic Diagram



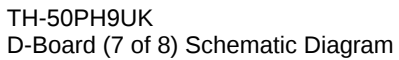
14.34. D-Board (5 of 8) Schematic Diagram



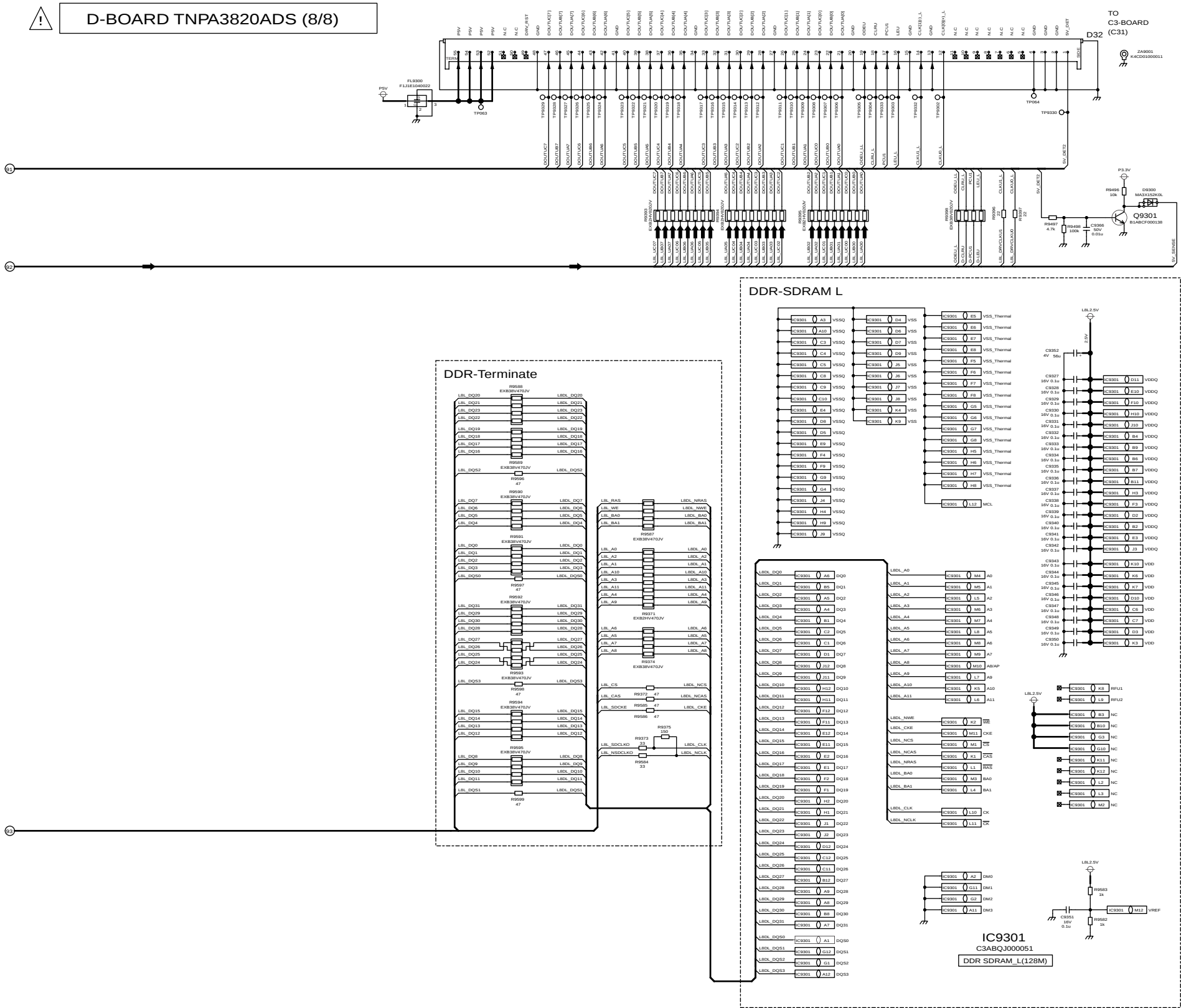
D-BOARD TNPA3820ADS (5/8)



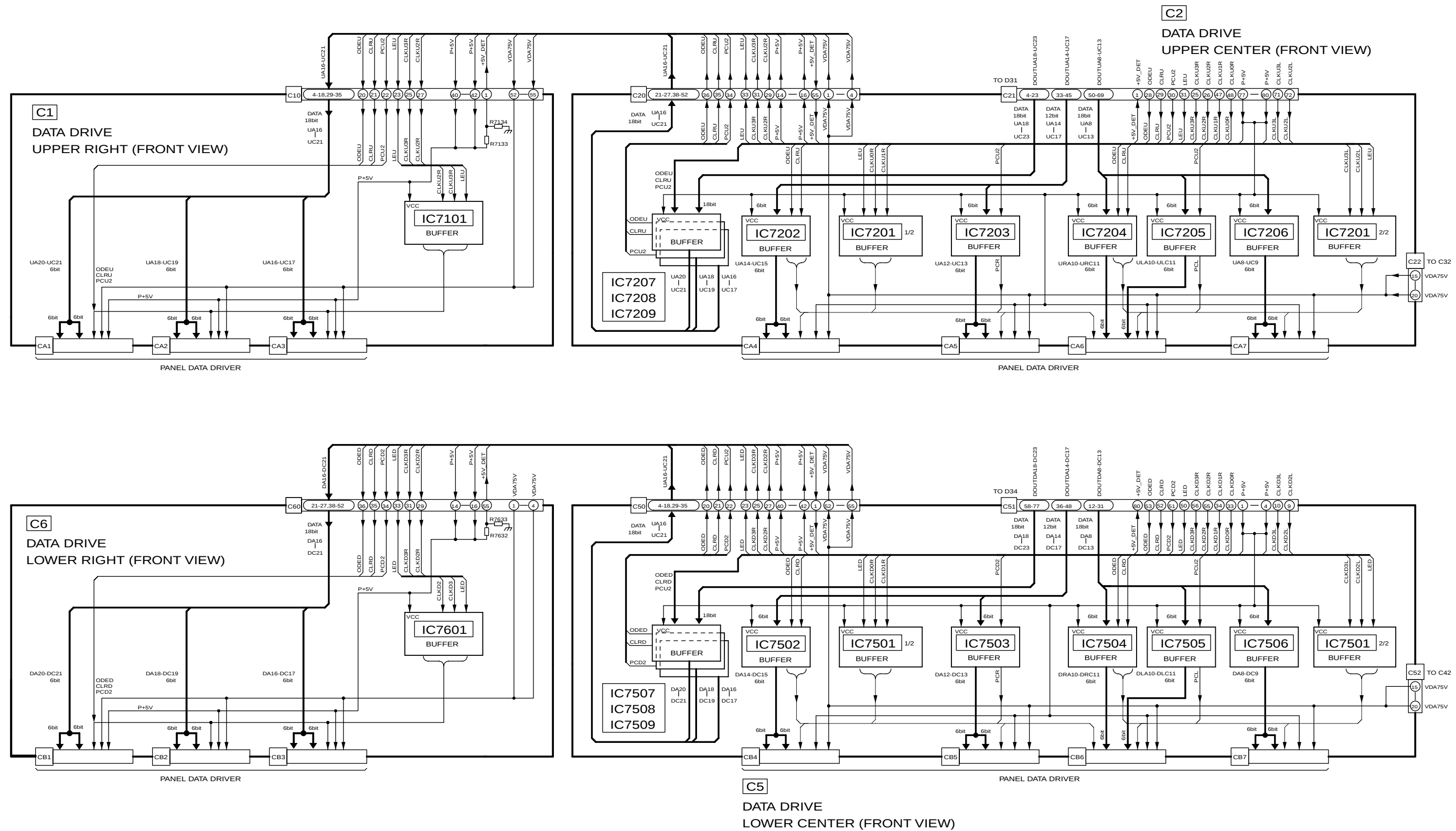
TH-50PH9UK
D-Board (6 of 8) Schematic Diagram

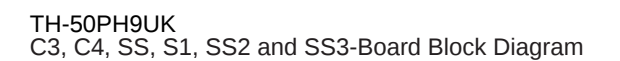


14.37. D-Board (8 of 8) Schematic Diagram

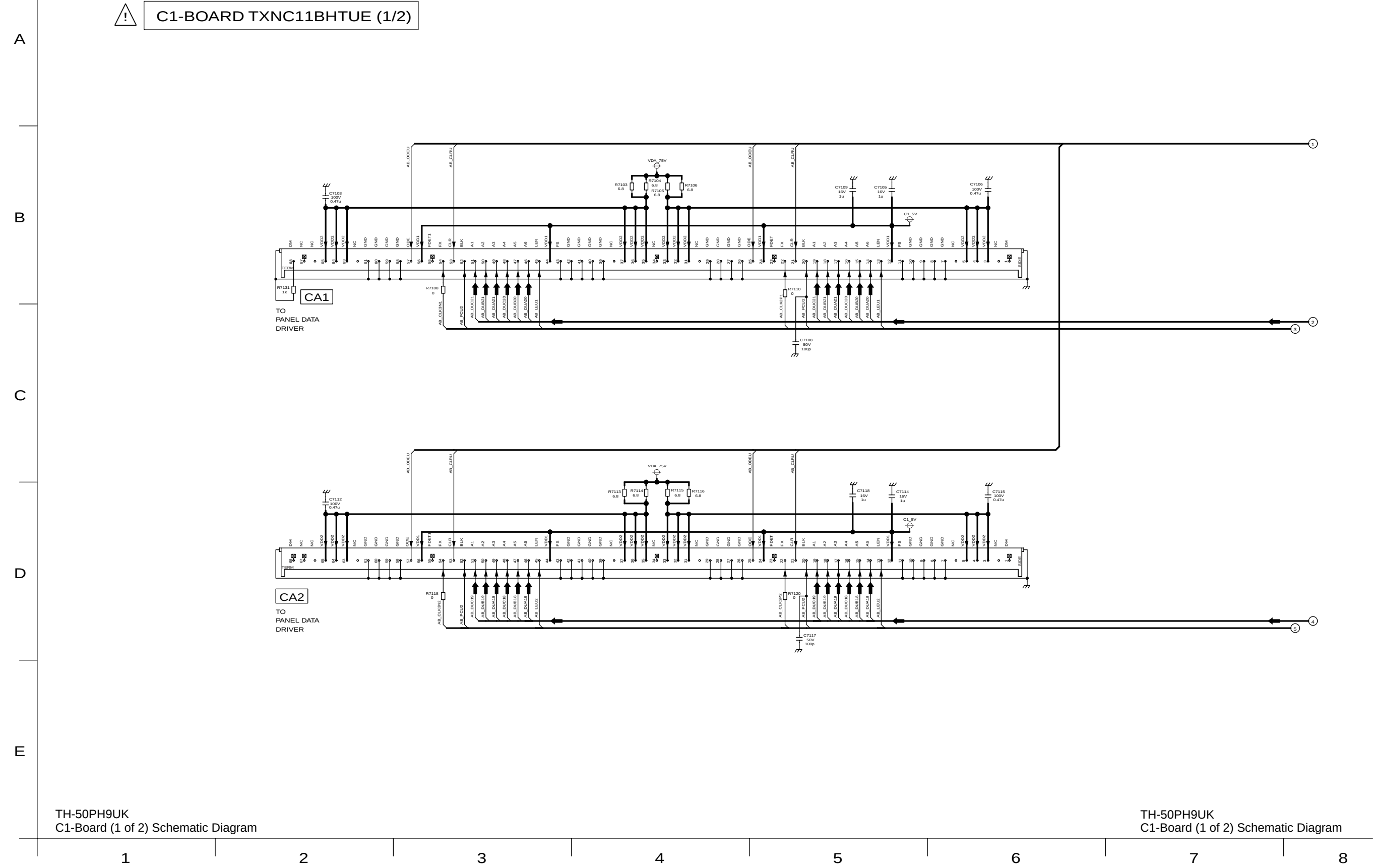


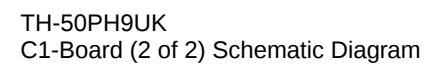
14.38. C1, C2, C5 and C6-Board Block Diagram



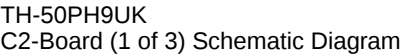


14.40. C1-Board (1 of 2) Schematic Diagram

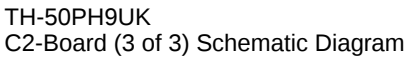




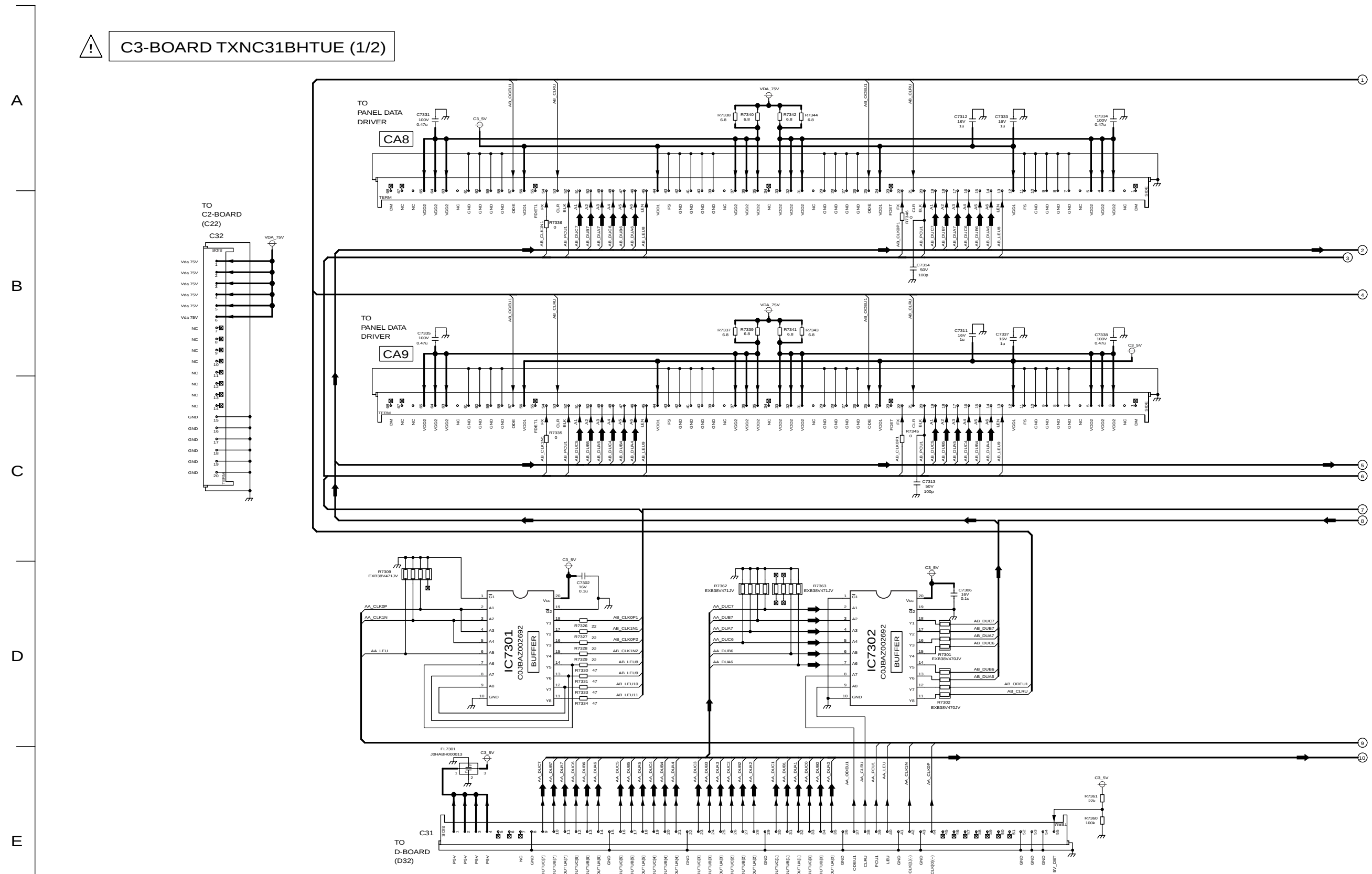
TH-50PH9UK
C1-Board (2 of 2) Schematic Diagram

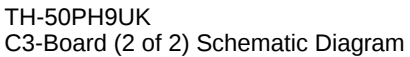
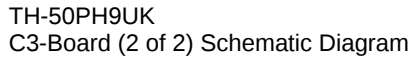


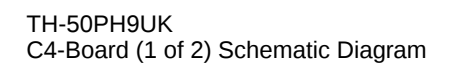
The diagram illustrates the internal circuitry of two panels, CA4 and CA5, which interface with a panel data driver. Each panel contains a 32-bit parallel-to-serial converter (IC7201, IC7202, or IC7203) and a 16-bit parallel-to-serial converter (IC7204, IC7205, or IC7206). The ICs are connected to a common data bus and a common clock line. The CA4 panel uses IC7201 and IC7204, while the CA5 panel uses IC7202 and IC7205. The CA5 panel also includes a 16-bit parallel-to-serial converter (IC7206). The diagram shows the connection of the ICs to the panel data driver, including the use of pull-up resistors (R7201, R7202, R7203, R7204, R7205, R7206) and capacitors (C7201, C7202, C7203, C7204, C7205, C7206). The CA5 panel also includes a 16-bit parallel-to-serial converter (IC7206) and a 16-bit parallel-to-serial converter (IC7207). The diagram shows the connection of the ICs to the panel data driver, including the use of pull-up resistors (R7201, R7202, R7203, R7204, R7205, R7206) and capacitors (C7201, C7202, C7203, C7204, C7205, C7206). The CA5 panel also includes a 16-bit parallel-to-serial converter (IC7206) and a 16-bit parallel-to-serial converter (IC7207).

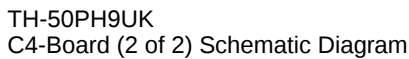
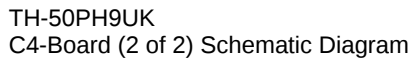


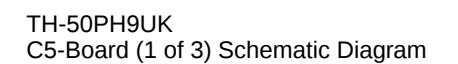
14.45. C3-Board (1 of 2) Schematic Diagram



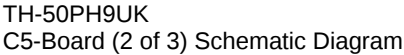








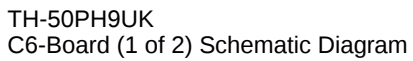
C5-BOARD TXNC51BHTUE (2/3)



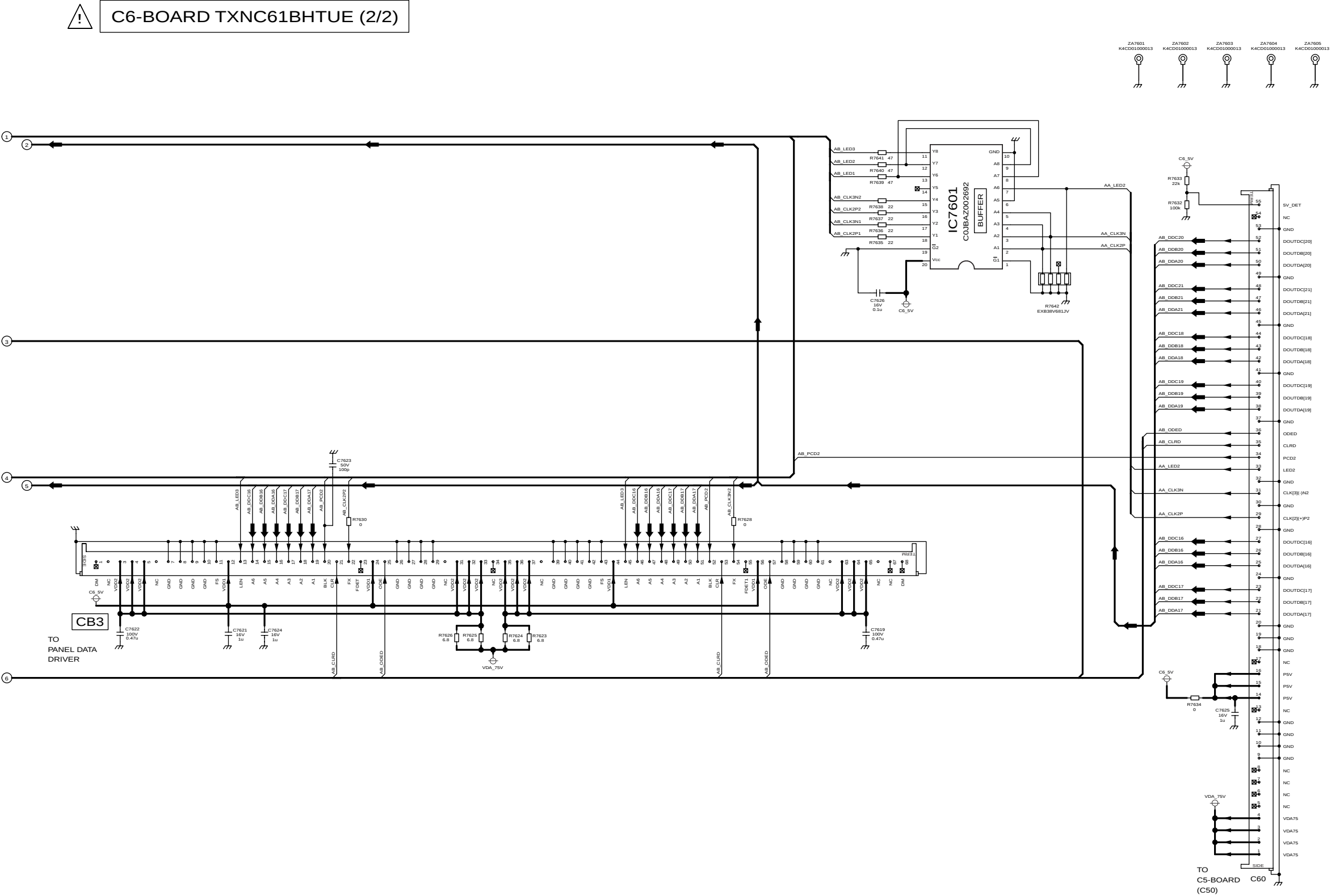
TH-50PH9UK C5-Board (2 of 3) Schematic Diagram

The schematic diagram illustrates the internal circuitry of the C4-board (C42), featuring three IC7505 buffers (CB6, CB7, and an unlabeled one) connected to various signal lines. The components and connections are as follows:

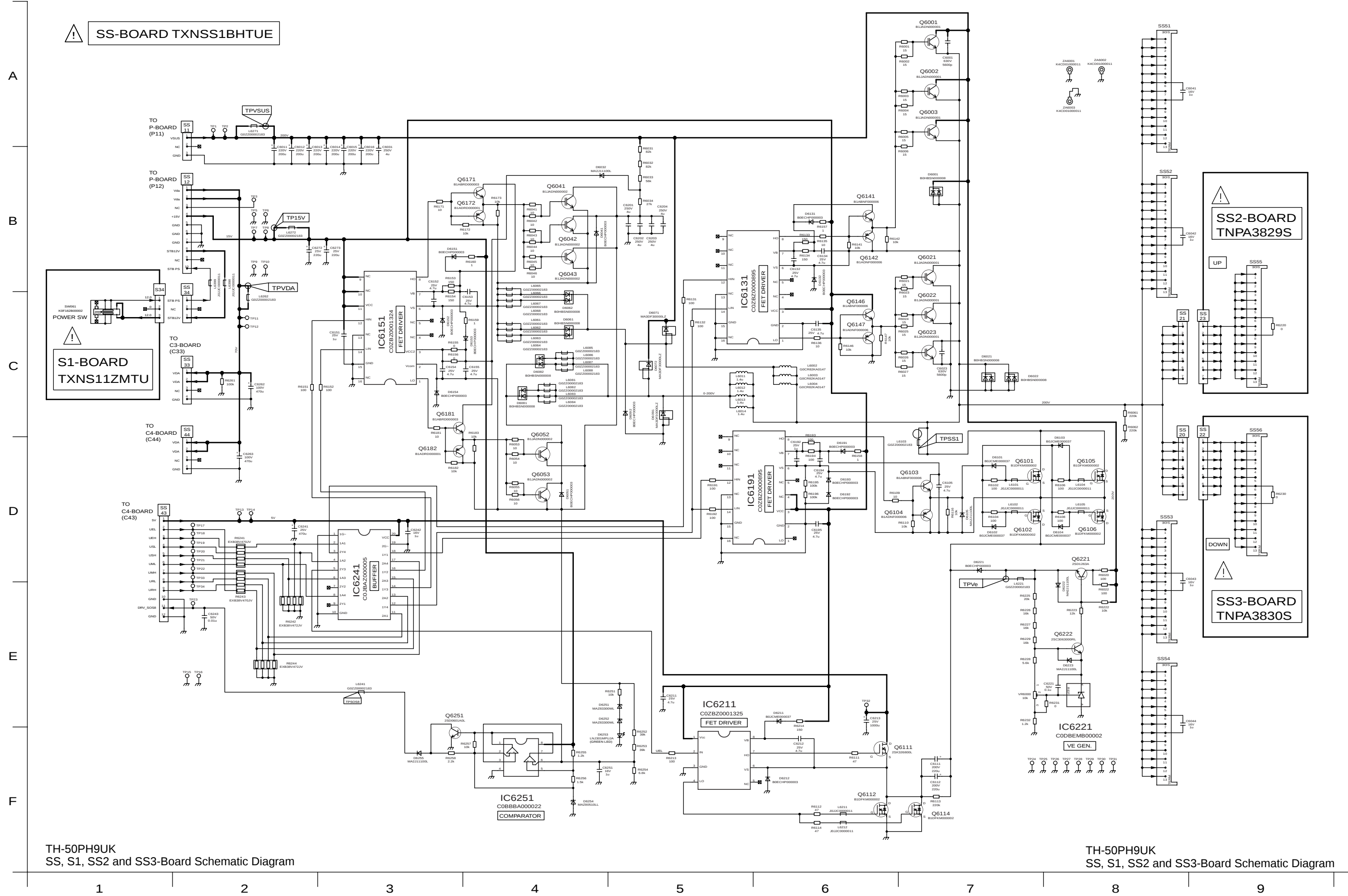
- IC7505 Buffers:** Three IC7505 buffers (COJBAZ002692) are used. Each buffer has a VCC pin connected to a 100V capacitor (C7511, C7512, C7513) and a GND pin connected to ground. The buffers are connected to various signal lines (AB, AA, VDA, VSA) through resistors (R7501, R7502, R7503, R7504, R7505, R7506, R7507, R7508, R7509, R7510, R7511, R7512, R7513, R7514, R7515, R7516, R7517, R7518, R7519, R7520, R7521, R7522, R7523, R7524, R7525, R7526, R7527, R7528, R7529, R7530, R7531, R7532, R7533, R7534, R7535, R7536, R7537, R7538, R7539, R7540, R7541, R7542, R7543, R7544, R7545, R7546, R7547, R7548, R7549, R7550, R7551, R7552, R7553, R7554, R7555, R7556, R7557, R7558, R7559, R7560, R7561, R7562, R7563, R7564, R7565, R7566, R7567, R7568, R7569, R7570, R7571, R7572, R7573, R7574, R7575, R7576, R7577, R7578, R7579, R7580, R7581, R7582, R7583, R7584, R7585, R7586, R7587, R7588, R7589, R7590, R7591, R7592, R7593, R7594, R7595, R7596, R7597, R7598, R7599, R7600, R7601, R7602, R7603, R7604, R7605, R7606, R7607, R7608, R7609, R7610, R7611, R7612, R7613, R7614, R7615, R7616, R7617, R7618, R7619, R7620, R7621, R7622, R7623, R7624, R7625, R7626, R7627, R7628, R7629, R7630, R7631, R7632, R7633, R7634, R7635, R7636, R7637, R7638, R7639, R7640, R7641, R7642, R7643, R7644, R7645, R7646, R7647, R7648, R7649, R7650, R7651, R7652, R7653, R7654, R7655, R7656, R7657, R7658, R7659, R7660, R7661, R7662, R7663, R7664, R7665, R7666, R7667, R7668, R7669, R7670, R7671, R7672, R7673, R7674, R7675, R7676, R7677, R7678, R7679, R7680, R7681, R7682, R7683, R7684, R7685, R7686, R7687, R7688, R7689, R7690, R7691, R7692, R7693, R7694, R7695, R7696, R7697, R7698, R7699, R7700, R7701, R7702, R7703, R7704, R7705, R7706, R7707, R7708, R7709, R7710, R7711, R7712, R7713, R7714, R7715, R7716, R7717, R7718, R7719, R7720, R7721, R7722, R7723, R7724, R7725, R7726, R7727, R7728, R7729, R7730, R7731, R7732, R7733, R7734, R7735, R7736, R7737, R7738, R7739, R7740, R7741, R7742, R7743, R7744, R7745, R7746, R7747, R7748, R7749, R7750, R7751, R7752, R7753, R7754, R7755, R7756, R7757, R7758, R7759, R7760, R7761, R7762, R7763, R7764, R7765, R7766, R7767, R7768, R7769, R7770, R7771, R7772, R7773, R7774, R7775, R7776, R7777, R7778, R7779, R7780, R7781, R7782, R7783, R7784, R7785, R7786, R7787, R7788, R7789, R7790, R7791, R7792, R7793, R7794, R7795, R7796, R7797, R7798, R7799, R7800, R7801, R7802, R7803, R7804, R7805, R7806, R7807, R7808, R7809, R7810, R7811, R7812, R7813, R7814, R7815, R7816, R7817, R7818, R7819, R7820, R7821, R7822, R7823, R7824, R7825, R7826, R7827, R7828, R7829, R7830, R7831, R7832, R7833, R7834, R7835, R7836, R7837, R7838, R7839, R7840, R7841, R7842, R7843, R7844, R7845, R7846, R7847, R7848, R7849, R7850, R7851, R7852, R7853, R7854, R7855, R7856, R7857, R7858, R7859, R7860, R7861, R7862, R7863, R7864, R7865, R7866, R7867, R7868, R7869, R7870, R7871, R7872, R7873, R7874, R7875, R7876, R7877, R7878, R7879, R7880, R7881, R7882, R7883, R7884, R7885, R7886, R7887, R7888, R7889, R7890, R7891, R7892, R7893, R7894, R7895, R7896, R7897, R7898, R7899, R7900, R7901, R7902, R7903, R7904, R7905, R7906, R7907, R7908, R7909, R7910, R7911, R7912, R7913, R7914, R7915, R7916, R7917, R7918, R7919, R7920, R7921, R7922, R7923, R7924, R7925, R7926, R7927, R7928, R7929, R7930, R7931, R7932, R7933, R7934, R7935, R7936, R7937, R7938, R7939, R7940, R7941, R7942, R7943, R7944, R7945, R7946, R7947, R7948, R7949, R7950, R7951, R7952, R7953, R7954, R7955, R7956, R7957, R7958, R7959, R7960, R7961, R7962, R7963, R7964, R7965, R7966, R7967, R7968, R7969, R7970, R7971, R7972, R7973, R7974, R7975, R7976, R7977, R7978, R7979, R7980, R7981, R7982, R7983, R7984, R7985, R7986, R7987, R7988, R7989, R7990, R7991, R7992, R7993, R7994, R7995, R7996, R7997, R7998, R7999, R8000, R8001, R8002, R8003, R8004, R8005, R8006, R8007, R8008, R8009, R8010, R8011, R8012, R8013, R8014, R8015, R8016, R8017, R8018, R8019, R8020, R8021, R8022, R8023, R8024, R8025, R8026, R8027, R8028, R8029, R8030, R8031, R8032, R8033, R8034, R8035, R8036, R8037, R8038, R8039, R8040, R8041, R8042, R8043, R8044, R8045, R8046, R8047, R8048, R8049, R8050, R8051, R8052, R8053, R8054, R8055, R8056, R8057, R8058, R8059, R8060, R8061, R8062, R8063, R8064, R8065, R8066, R8067, R8068, R8069, R8070, R8071, R8072, R8073, R8074, R8075, R8076, R8077, R8078, R8079, R8080, R8081, R8082, R8083, R8084, R8085, R8086, R8087, R8088, R8089, R8090, R8091, R8092, R8093, R8094, R8095, R8096, R8097, R8098, R8099, R8100, R8101, R8102, R8103, R8104, R8105, R8106, R8107, R8108, R8109, R8110, R8111, R8112, R8113, R8114, R8115, R8116, R8117, R8118, R8119, R8120, R8121, R8122, R8123, R8124, R8125, R8126, R8127, R8128, R8129, R8130, R8131, R8132, R8133, R8134, R8135, R8136, R8137, R8138, R8139, R8140, R8141, R8142,



14.53. C6-Board (2 of 2) Schematic Diagram



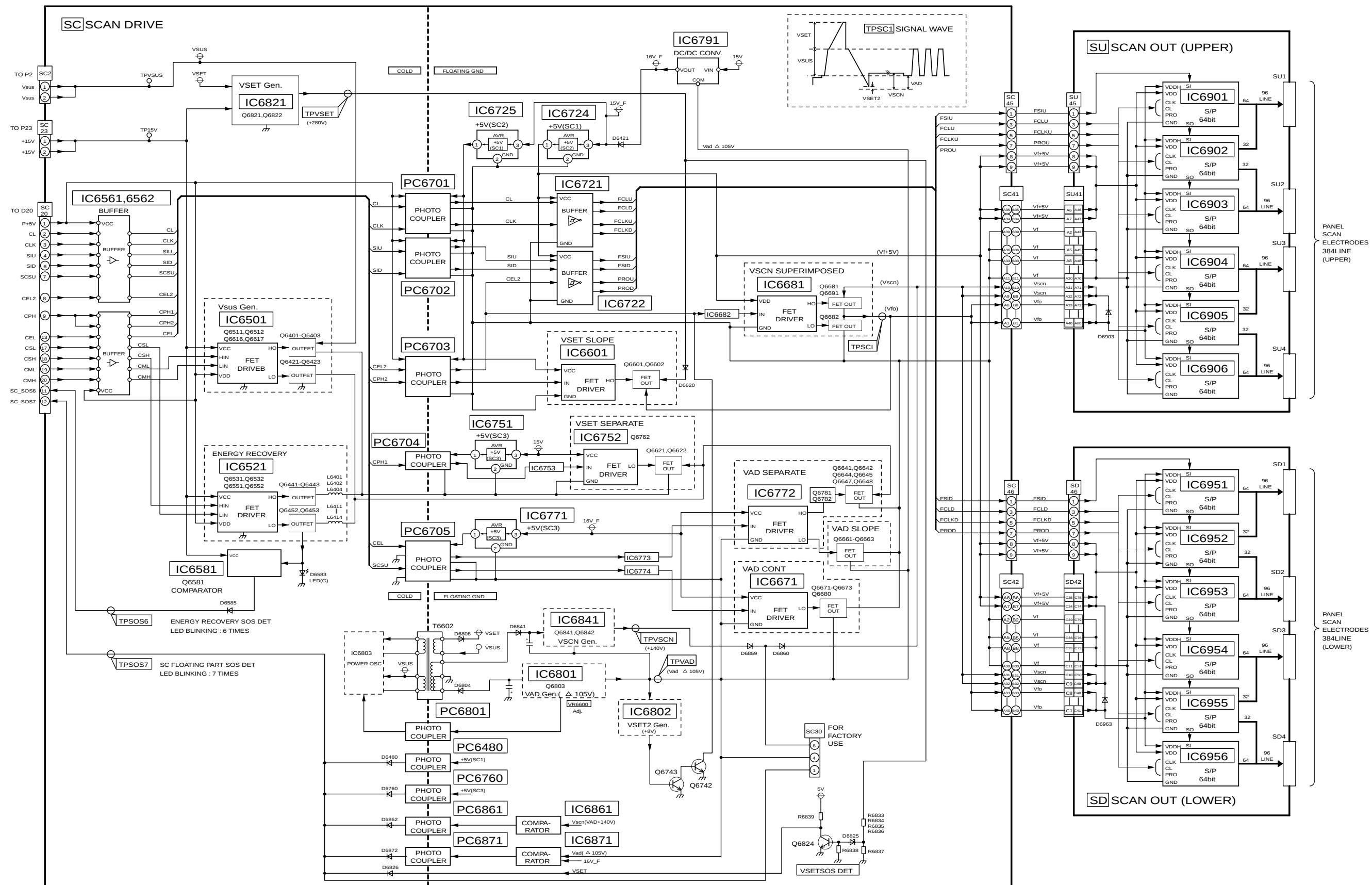
14.54. SS, S1, SS2 and SS3-Board Schematic Diagram



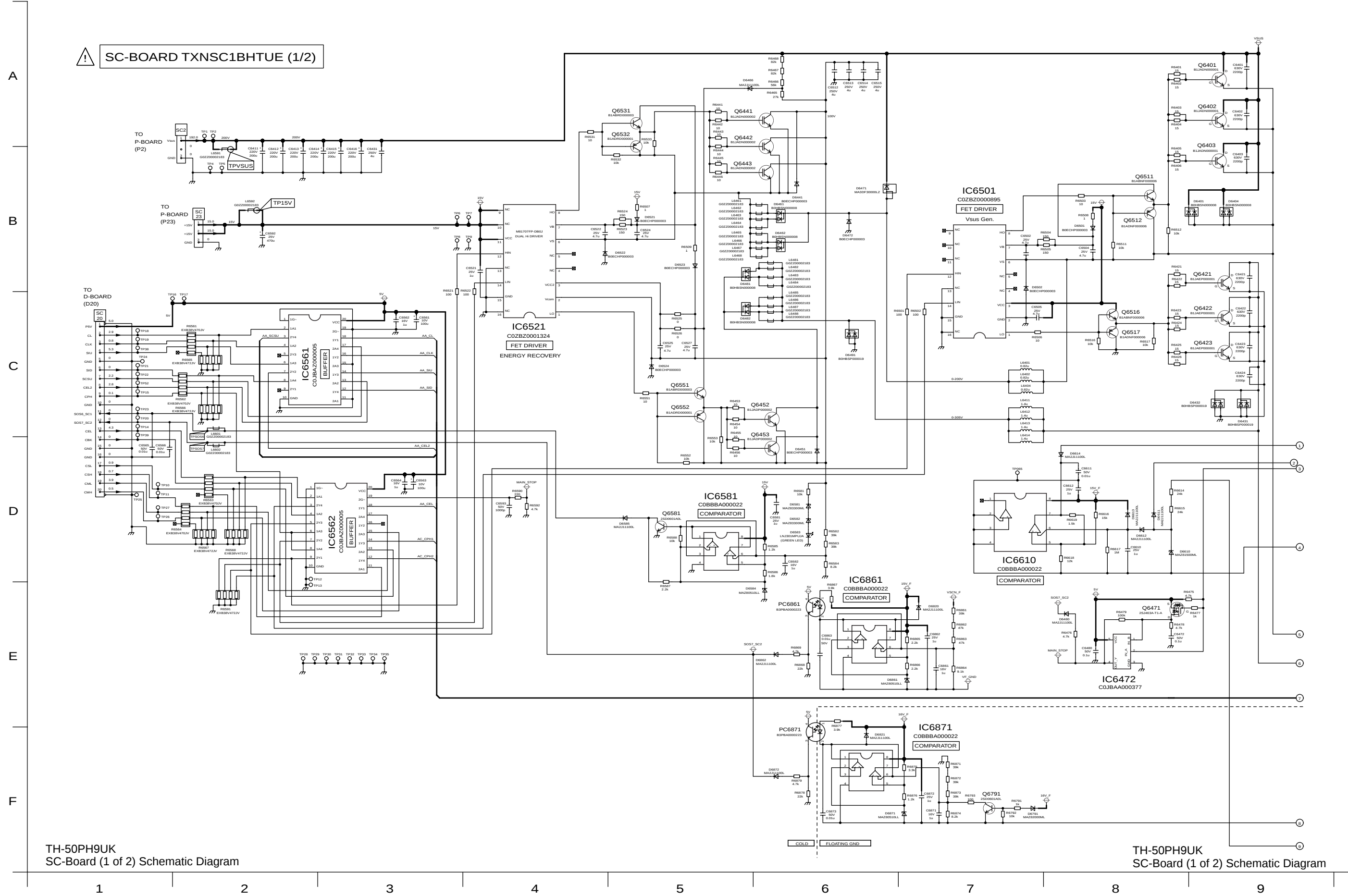
TH-50PH9UK
SS, S1, SS2 and SS3-Board Schematic Diagram

TH-50PH9UK
SS, S1, SS2 and SS3-Board Schematic Diagram

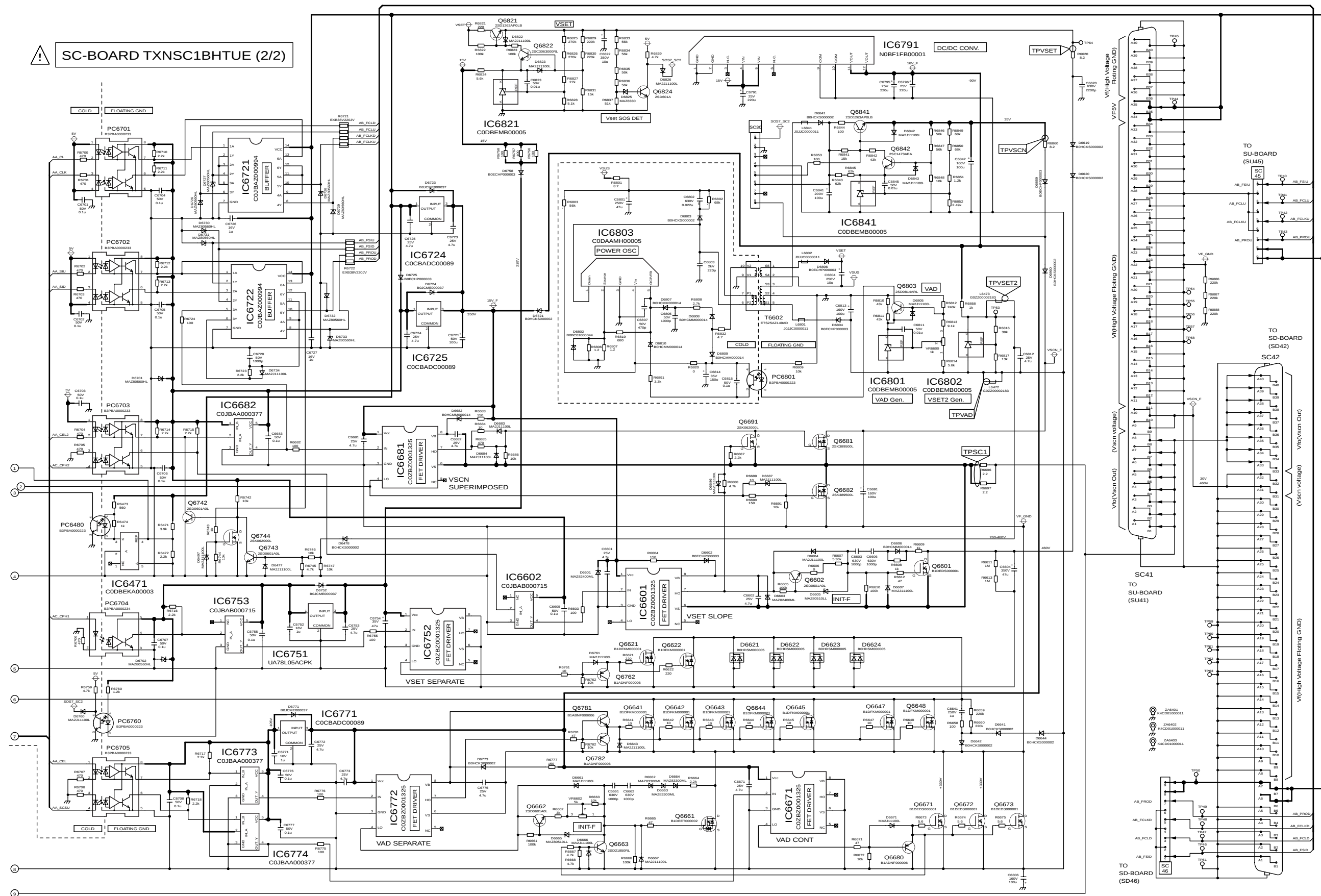
14.55. SC, SU and SD-Board Block Diagram

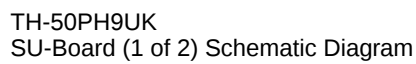


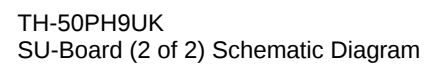
14.56. SC-Board (1 of 2) Schematic Diagram



14.57. SC-Board (2 of 2) Schematic Diagram







14.60. SD-Board (1 of 2) Schematic Diagram

A

B

C

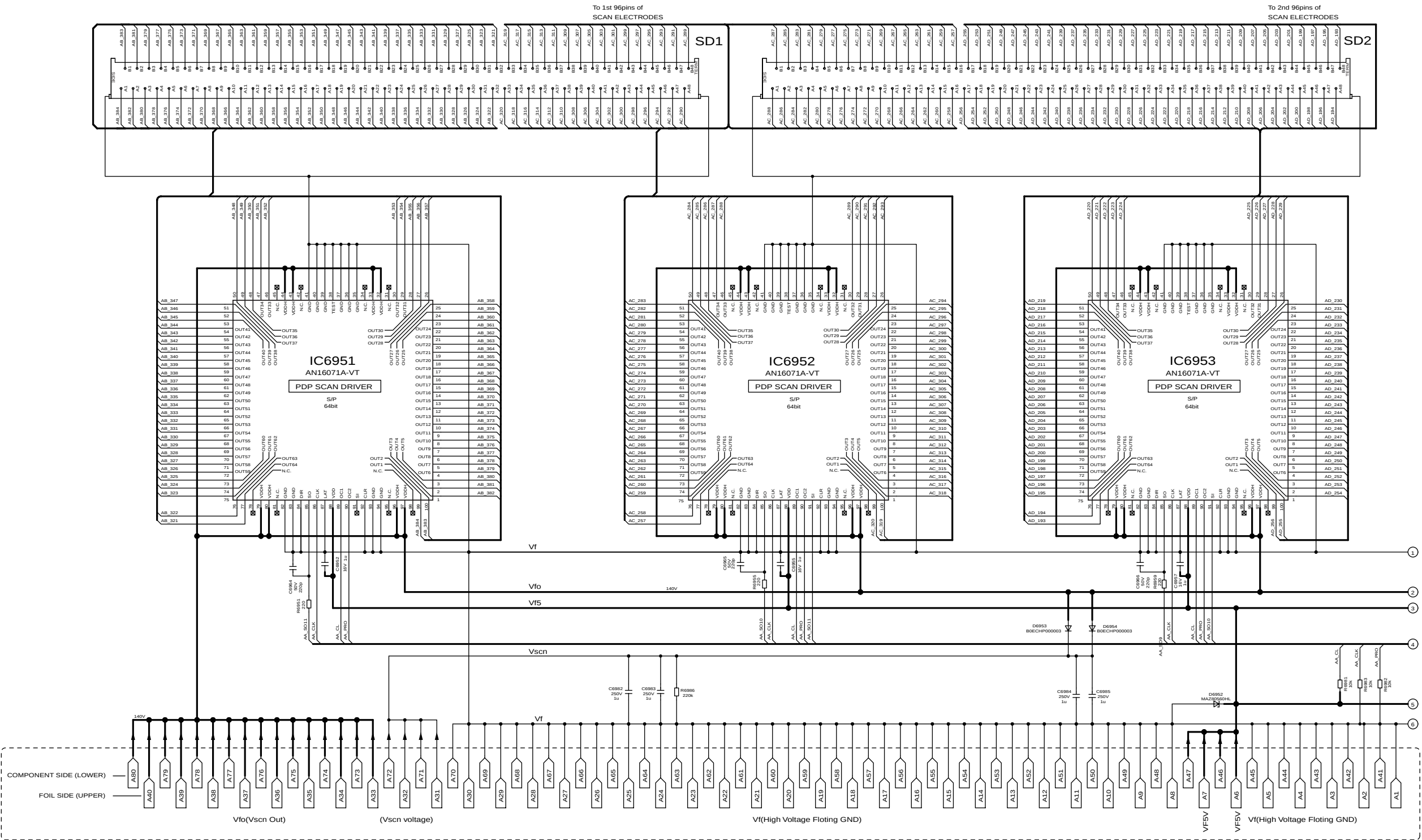
D

E



SD-BOARD TXNSD1BHTUE (1/2)

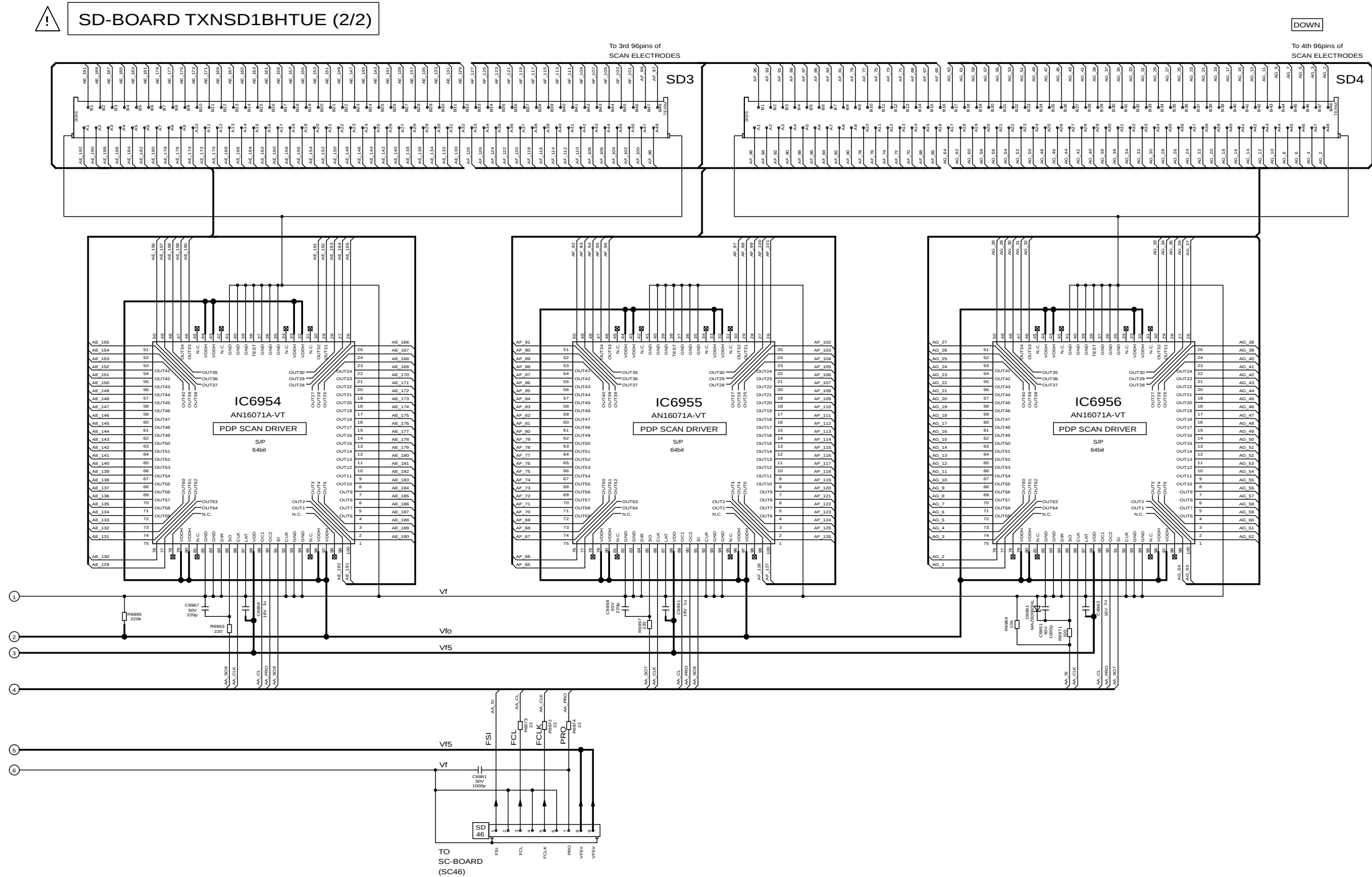
DOWN



TH-50PH9UK
SD-Board (1 of 2) Schematic Diagram

TH-50PH9UK
SD-Board (1 of 2) Schematic Diagram

14.61. SD-Board (2 of 2) Schematic Diagram

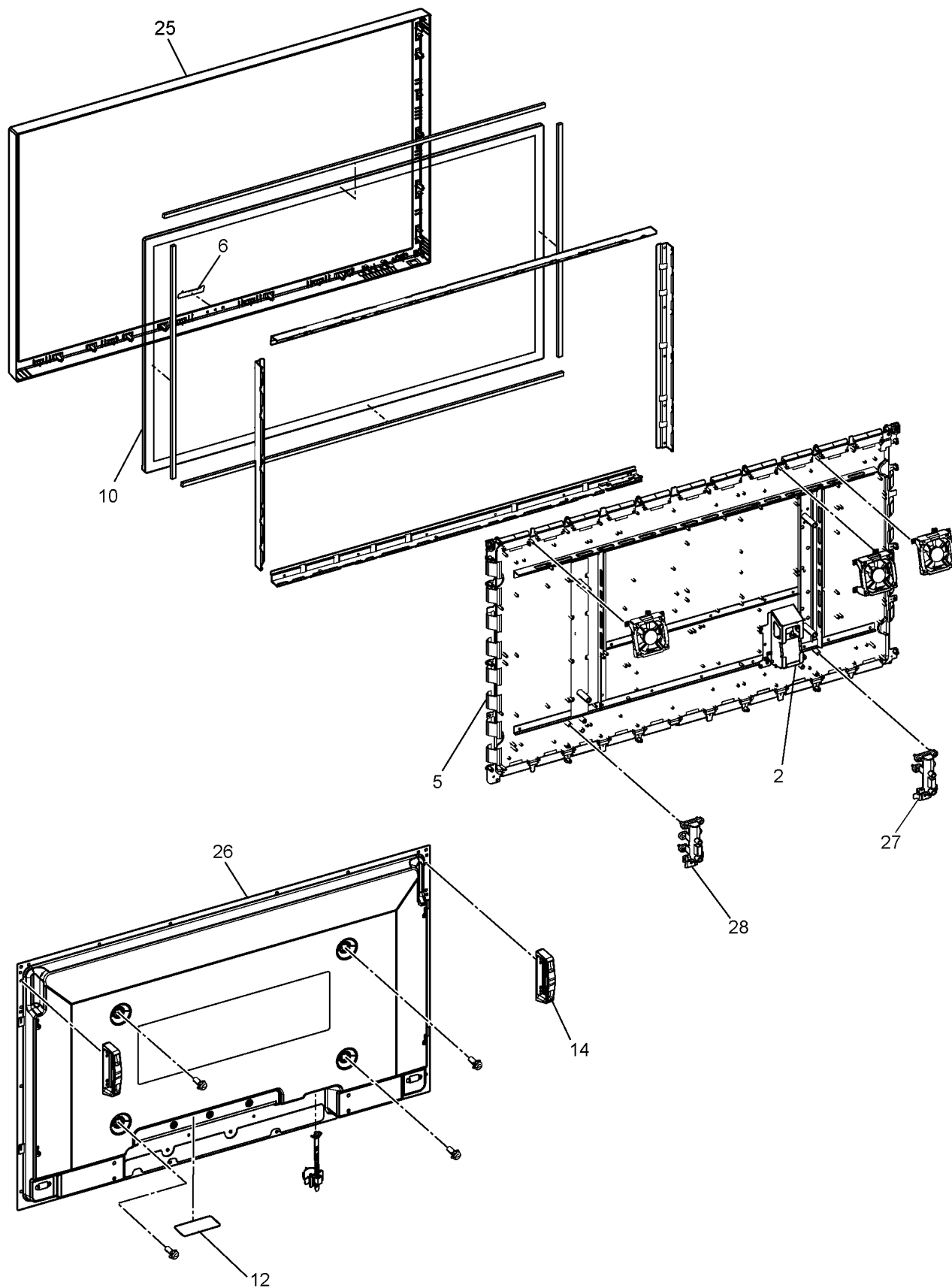


NOTE

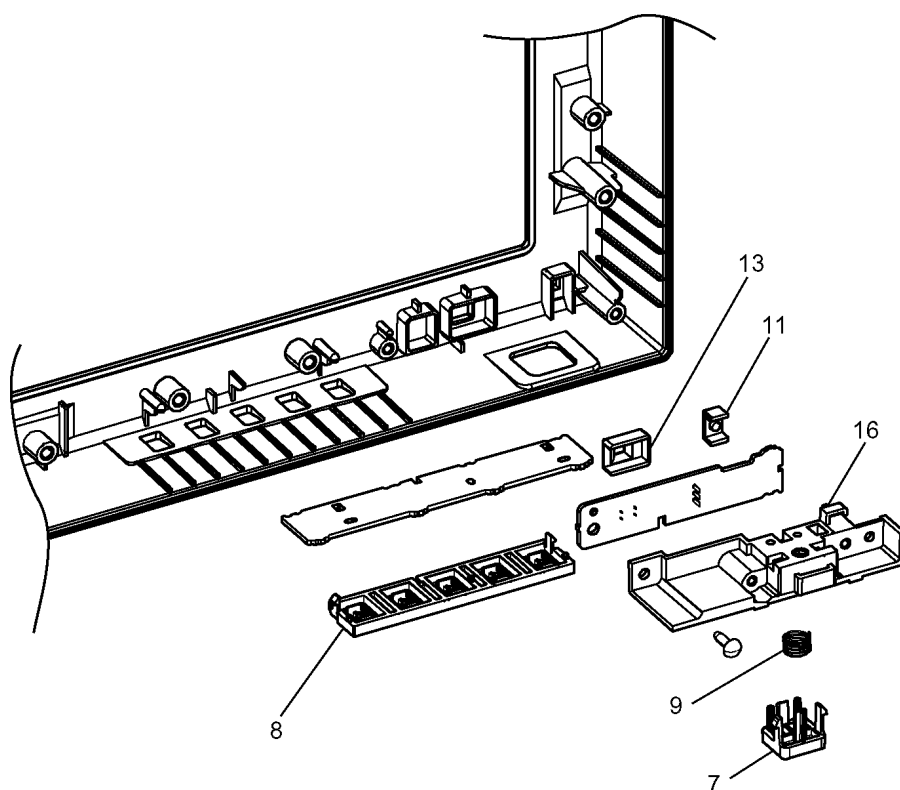
15 Parts Location

15.1. Exploded View

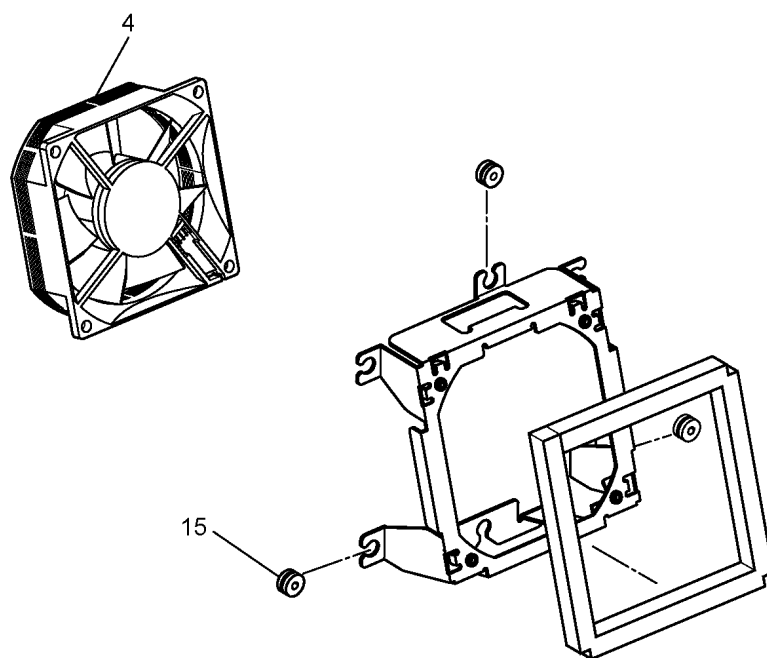
15.1.1. The main mechanical parts relation



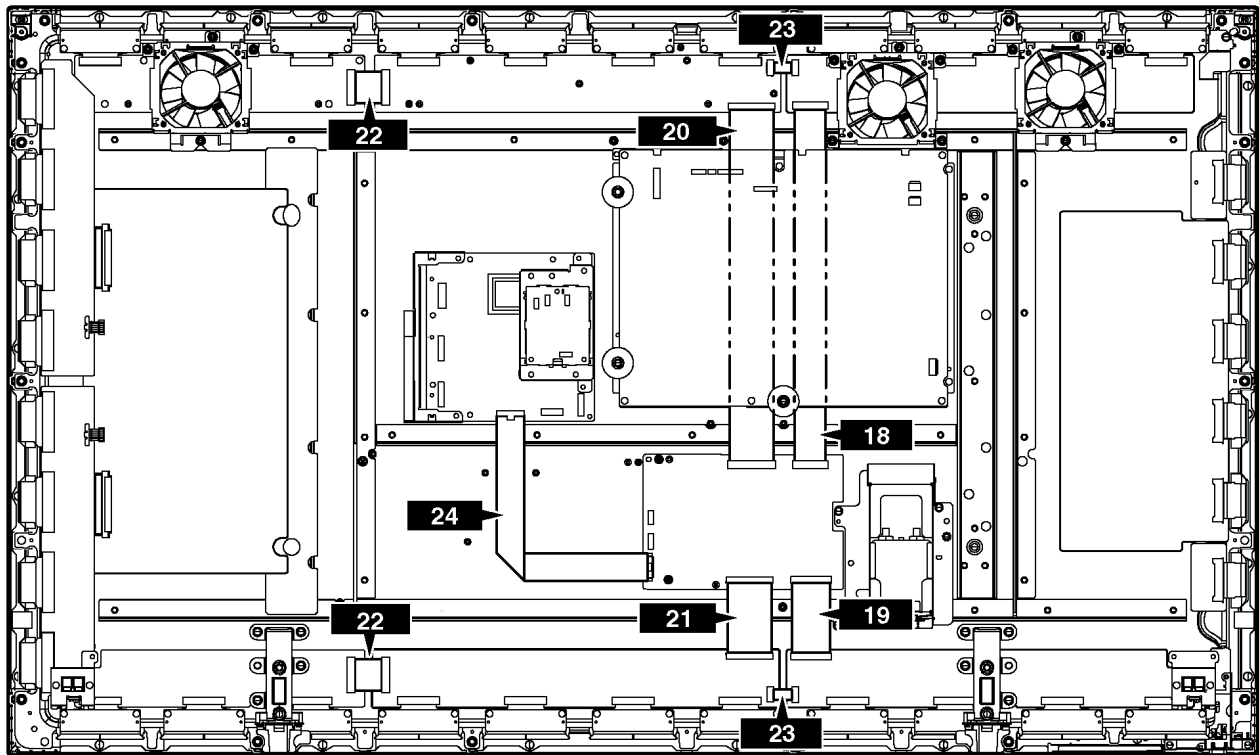
15.1.2. Escutcheon part location enlarged views of lower left side



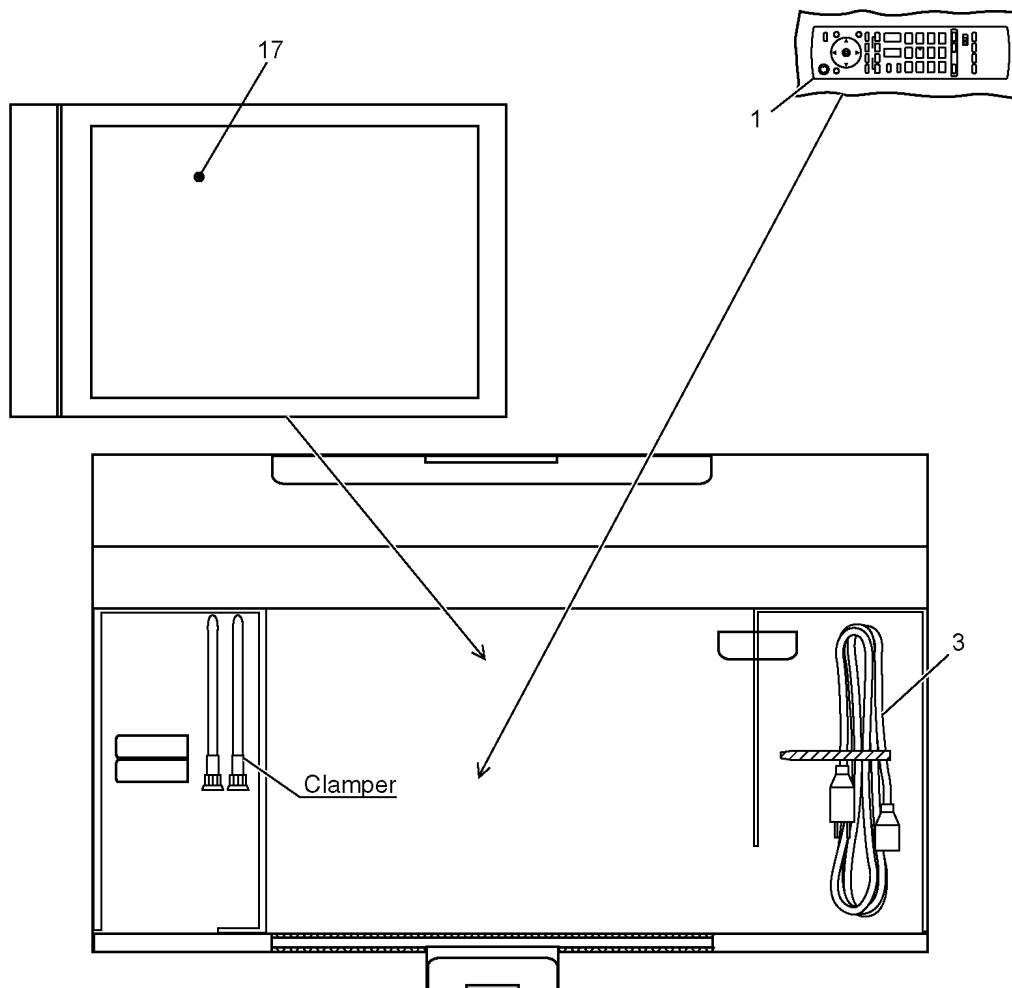
15.2. Fan part location enlarged views



15.3. Cable relation



15.4. Packing summary



16 Mechanical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	EUR7636070R	REMOTE CONTROLLER	1	
	J0KG00000014	FILTER	1	
	K1YD68000002	68P CONNECTOR	1	
	K1YD80000002	80P CONNECTOR	1	
2	K2AHYH000003	AC INLET	1	△
3	K2CG3DH00025	AC CORD	1	△
4	L6FAYYYH0011	FAN (80MM)	3	
5	MD50H09A1J	PLASMA DISPLAY PANEL	1	△
6	TBMA189	PANASONIC BADGE	1	
7	TBXA46601	POWER BUTTON	1	
8	TBXA46701A	5KEY BUTTON	1	
9	TESD031	SPRING	1	
10	TKGA5305	FRONT GLASS	1	PAVCA
11	TKKC5213	LED PANEL	1	
12	TKKL5266	COVER	1	
13	TKPA95001	REMOTE SENSOR PANEL	1	
14	TKRA20501	HANDLE	2	
15	TMMJ068	RUBBER (FAN)	3	
16	TMWC015	POWER BUTTON BRACKET	1	
17	TQB2AA0691	INSTRUCTION BOOK	1	PAVCA △
18	TSXL514	CABLE (D32-C31)	1	
19	TSXL515	CABLE (D33-C41)	1	
20	TSXL516	CABLE (D31-C21)	1	
21	TSXL517	CABLE (D34-C51)	1	
22	TSXL518	CABLE (C10-C20/C50-C60)	2	
23	TSXL519	CABLE (C22-C32/C52-C42)	2	
24	TSXL544	CABLE (DA2-D3)	1	
25	TXFKE01ZMTU	ESCUTCHEON ASSY	1	△
26	TXFKU21QSER	REAR COVER	1	PAVCA △
27	TXFMZ01ZMTU	STAND BLOCK ASSY (LEFT)	1	
28	TXFMZ02ZMTU	STAND BLOCK ASSY (RIGHT)	1	
	XYN3+J8FJ	SCREW ROHS	4	

17 Replacement Parts List

17.1. Replacement Parts List Notes

Important Safety Notice

*Components identified by $\triangle$ mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.*

RTL (Retention Time Limited)

Note: The marking (RTL) indicates that the Retention Time is Limited for this item.
After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws governing part and product retention.
After the end of this period, the assembly will no longer be available.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 $\underline{C}$ 100KOHM, $\underline{J}$, 1/4W
Type Allowance

2. Capacitor

Example:

ECKF1H103ZF $\underline{C}$ 0.01UF, $\underline{Z}$, 50V
Type Allowance

Type	Allowance
C : Carbon	F : $\pm 1\%$
F : Fuse	G : $\pm 2\%$
M : Metal Oxide	J : $\pm 5\%$
Metal Film	K : $\pm 10\%$
S : Solid	M : $\pm 20\%$
W : Wire Wound	

Type	Allowance
C : Ceramic	C : $\pm 0.25\text{pF}$
E : Electrolytic	D : $\pm 0.5\text{pF}$
P : Polyester	F : $\pm 1\text{pF}$
Polyprop	G : $\pm 3\text{pF}$
lene	J : $\pm 5\text{pF}$
T : Tantalum	K : $\pm 10\text{pF}$
	L : $\pm 15\text{pF}$
	M : $\pm 20\text{pF}$
	P : +100%, -0%
	Z : +80%, -20%

17.2. Electrical Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
F101.10 2	K5D103BMA001	TIME LAG FUSE HIGH	2	△
F201	216005BP	FUSE 250V 5A	1	△
F301	216005BP	FUSE 250V 5A	1	△
F501	216002BP	FUSE 250V 2A	1	△
A101,02	RA362MSV7	ARRESTOR	2	△
C10	K1MN55BA0076	55P CONNECTOR	1	
C20	K1MN55BA0076	55P CONNECTOR	1	
C21	K1MN80BA0076	80P CONNECTOR	1	
C22	K1MN20BA0231	20P CONNECTOR	1	
C31	K1MN55BA0076	55P CONNECTOR	1	
C32	K1MN20BA0231	20P CONNECTOR	1	
C33	K1KA04AA0150	4P CONNECTOR	1	
C41	K1MN68BA0076	68P CONNECTOR	1	
C42	K1MN20BA0231	20P CONNECTOR	1	
C43	K1KA12BA0107	12P CONNECTOR	1	
C44	K1KA04BA0107	4P CONNECTOR	1	
C50	K1MN55BA0076	55P CONNECTOR	1	
C51	K1MN80BA0076	80P CONNECTOR	1	
C52	K1MN20BA0231	20P CONNECTOR	1	
C60	K1MN55BA0076	55P CONNECTOR	1	
C101	ECQU2A105ML	P 1UF, 250V	1	△
C102	ECQU2A224ML	P 0.22UF, 250V	1	△
C103,04	ECKENA221KBR	C 221P 250V	2	△
C106,07	MMXC2W105K	C 1P 450V	2	
C108	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C109	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C110	ECJ2XC1H471J	C 470PF, J, 50V	1	
C111	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C112	KZE1E470	C 470U 25V	1	
C113	ECJ2XC1H471J	C 470PF, J, 50V	1	
C114	ECJ2XC1H101J	C 100PF, J, 50V	1	
C115	ECQE6472B45	C 4700U 630V	1	
C116,17	KMQ2W221L	C 220U 450V	2	
C118	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C119	ECKDNA331KB7	C 330PF, Z,	1	△
C120	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C121	ECJ2XB1H223K	C 0.022UF, K, 50V	1	
C122,23	ECJ2FB1H104K	C 0.1UF, K, 50V	2	
C127	KMQ2W221L	C 220U 450V	1	
C128	TBB106K1A	C 10U 10V	1	
C129	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C201,02	KZE1E470	C 470U 25V	2	
C203,04	RR3DD101K7	C 100P 2KV	2	
C206	ECWH8473HV	P 0.047PF, J, 8KV	1	
C251	KMQ220901Z	C 900U 220V	1	
C253,54	KMQ220901Z	C 900U 220V	2	
C256,57	ECQE2473SKF	C 0.047U 250V	2	
C301	KZE1E470	C 470U 25V	1	
C302,03	RR3DD101K7	C 100P 2KV	2	
C305	ECWH8183HV	C 0.018UF 800V	1	
C306	KZE1E470	C 470U 25V	1	
C351-53	KZE1E182S	C 1800UF 25V	3	
C354,55	ECQV1H474JL	P 0.47UF, J, 50V	2	
C356	KZE1E821L	C 8200UF 25V	1	
C357	TEB104K5	C 0.1UF 50V	1	
C358	KZE1E331S	C 330UF 25V	1	
C359	TEB104K5	C 0.1UF 50V	1	
C360	KZE1E101	C 100UF 25V	1	
C361	TEB104K5	C 0.1UF 50V	1	
C363	KZE1E821L	C 8200UF 25V	1	
C364	TEB104K5	C 0.1UF 50V	1	
C365	KZE2A270	C 27UF 100V	1	
C401	KZE2A270	C 27UF 100V	1	
C402	KZE2A471S	C 470UF 100V	1	
C404,05	KZE2A471S	C 470UF 100V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C501	ECQU2A473ML	P 0.047UF, M, 250V	1	△
C502,03	ECJ2FB1H104K	C 0.1UF, K, 50V	2	
C504	KZE1E101	C 100UF 25V	1	
C505	KZE1E470	C 470U 25V	1	
C506	KXG2W330	C 330UF 450V	1	
C508	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C509	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C510	KZE1H101	C 100UF 50V	1	
C514	KZE1E101	C 100UF 25V	1	
C515	ECJ2FB1H104K	C 0.1UF, K, 50V	1	
C551	ECKENA221KBR	C 220P 250V	1	△
C552	KZE1E331S	C 330UF 25V	1	
C555	TBB474K2	C 0.47UF 25V	1	
C556	KZE1E101	C 100UF 25V	1	
C557	TBB475K1	C 4.7UF 16V	1	
C558	KZE1A471	C 470UF 10V	1	
C559-61	TEB104K5	C 0.1UF 50V	3	
C801	F2H1V221A004	E 220UF, 35V	1	PAVCA
C802	F2H1E471A010	E 470UF, 25V	1	PAVCA
C804	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C805	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C806	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C807	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	PAVCA
C808	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C809	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C811	EEVHB1C471	E 470UF, 16V	1	
C812	F2H1E471A010	E 470UF, 25V	1	PAVCA
C814	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C815	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C816	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C817	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	PAVCA
C818	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C819	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C821	EEVHB1C471	E 470UF, 16V	1	
C822	F2H1E471A010	E 470UF, 25V	1	PAVCA
C823	ECJ1XC1H470J	C 47PF, J, 50V	1	
C824	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C825	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C827	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	PAVCA
C828	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C829	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C831	EEVHB1C470P	C 47PF, J, 16V	1	
C832	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C833	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C834,35	EEVHB1C470P	C 47PF, J, 16V	2	
C837	F1J0J1060004	C 0.010UF, K, 16V	1	
C838	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C839	F1J0J1060004	C 0.010UF, K, 16V	1	
C840	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C841	F1J0J1060004	C 0.010UF, K, 16V	1	
C843	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C844	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C845	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C846	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C847	F1J0J1060004	C 0.010UF, K, 16V	1	
C848	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C850	ECQB1H104JF	P 0.1UF, J, 50V	1	
C852	ECA1EM471	E 470UF, 25V	1	
C854	EEUFC1C471	E 470UF, 16V	1	
C855-57	ECJ1VB1H103K	C 0.001UF, K, 50V	3	
C858	F2H1E471A010	E 470UF, 25V	1	PAVCA
C859	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C860	EEVHB1C471	E 470UF, 16V	1	
C861	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C863	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	PAVCA
C864	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C865	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C866,67	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C868,69	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C1530	ECJ3XB0J106M	C 10UF, M, 6.3V	1	
C2350,5 1	ECJ3YB1C225K	C 0.022UF, K, 16V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C2352,53	EEHNB1H100P	C 10PF, J, 50V	2	
C2354,55	EEHNB1V470P	E 47UF, 35V	2	
C2356,57	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C2358,59	EEHNP1V2R2R	E 2.2UF, 35V	2	
C2360,61	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C2362,63	EEHNB1E471UP	C 470PF, J, 25V	2	
C2364,65	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2366,67	ECJ3YB1E225K	C 2.2UF, K, 25V	2	
C2368,69	ECQV1H104JM	P 0.1UF, J, 50V	2	
C2370,71	EEHNB1H100P	C 10PF, J, 50V	2	
C2373-75	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C2376,77	ECJ1XC1H150J	C 15PF, J, 50V	2	
C2378-82	ECJ1VB1E104K	C 0.10UF, K, 25V	5	
C2383	EEHNB1A101P	C 100PF, J, 10V	1	
C2384	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2385	EEHNB1A101P	C 100PF, J, 10V	1	
C2386,87	EEHNP1H1R0R	C 1.0PF, J, 50V	2	
C2388	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2389	EEHNB1A101P	C 100PF, J, 10V	1	
C2390	EEHNB1H100P	C 10PF, J, 50V	1	
C2391	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2392,93	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C2394	EEHNB1H100P	C 10PF, J, 50V	1	
C2395,96	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2397	EEHNB1A101P	C 100PF, J, 10V	1	
C2398-03	ECJ1VB1E104K	C 0.10UF, K, 25V	6	
C2404	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C2405,06	ECJ1VB0J225K	C 2.2UF, K, 6.3V	2	
C2407,08	F1J0J1060004	C 0.010UF, K, 16V	2	
C2409,10	ECJ1XC1H181J	C 180PF, J, 50V	2	
C2411	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C2412,13	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C2420	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C2425,26	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C3001	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C3004	EEHNB1C470P	C 47PF, J, 16V	1	
C3007,08	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C3009-11	ECJ1VB1E104K	C 0.10UF, K, 25V	3	
C301102	EEHNB1C470P	C 47PF, J, 16V	1	
C3012	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C301202	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3013-17	ECJ1VF1H103Z	C 0.010UF, Z, 50V	5	
C3018	EEHNB1C470P	C 47PF, J, 16V	1	
C3019	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3020	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C302102	ECJ1VF1A105Z	C 1UF, Z, 10V	1	
C3021	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C302202	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3022-31	ECJ3YB1C225K	C 0.022UF, K, 16V	10	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3032	ECJ1VB1C105K	C 0.01UF, K, 16V	1	
C3033-35	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C3040,41	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3042,43	EEHNB1C100R	C 10PF, J, 16V	2	
C3051-58	ECJ1VF1C105Z	C 1UF, Z, 16V	8	
C3101	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3103	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3105-08	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C3110	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3111,12	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C3113	EEHNB1C470P	C 47PF, J, 16V	1	
C3114	ECJ3XF1C475Z	C 4.7UF, Z, 16V	1	
C3115	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C3134-36	F2H0J102A010	C 1000UF, 6.3V	3	
C3143,44	ECJ3YB1C225K	C 0.022UF, K, 16V	2	
C3146	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C3150-52	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C3200	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C3201-03	F1J0J1060004	C 0.010UF, K, 16V	3	
C3301-04	ECJ1XC1H561J	C 560PF, J, 50V	4	
C3305	ECJ3YB1A106M	C 10UF, M, 6.3V	1	
C3306	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3307	ECJ3YB1A106M	C 10UF, M, 6.3V	1	
C3308	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3309	EEHNB1C470P	C 47PF, J, 16V	1	
C3310	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3313,14	ECJ3YB1A106M	C 10UF, M, 6.3V	2	
C3315	EEHNB1C470P	C 47PF, J, 16V	1	
C3316	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3317,18	ECJ3YB1A106M	C 10UF, M, 6.3V	2	
C3319,20	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3321,22	ECJ1VC1H100C	C 10PF, C, 50V	2	
C3325,26	ECJ1XC1H470J	C 47PF, J, 50V	2	
C3327,28	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3329,30	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C3331,32	ECJ1VB1A105K	C 0.01UF, Z, 50V	2	
C3333	EEHNB0J470R	C 47PF, J, 6.3V	1	
C3334-36	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3337	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3339,40	ECJ1XC1H330J	C 33PF, J, 50V	2	
C3341,42	ECJ1XC1H680J	C 68PF, J, 50V	2	
C3343	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3344	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3345	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3346-60	ECJ1XB1C104K	C 0.1UF, Z, 16V	15	
C3361	ECJ1XC1H330J	C 33PF, J, 50V	1	
C3362-68	ECJ1XB1C104K	C 0.1UF, Z, 16V	7	
C3369	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3370-74	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3375	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C3376-02	ECJ1XB1C104K	C 0.1UF, Z, 16V	29	
C3404	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3405 02	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3405	EEHBC1470P	C 47PF, J, 16V	1	
C3406-08	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3409 02	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3409	ECJ2VF1C104Z	C 0.1UF, Z, 16V	1	
C3410-12	ECJ1XB1H102K	C 1000UF, Z, 50V	3	
C3413-15	ECJ1XB1C104K	C 0.1UF, Z, 16V	3	
C3416,17	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C3418,19	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C3420	ECJ1XC1H180J	C 18PF, J, 50V	1	
C3422	EEHBC0J470R	C 47PF, J, 6.3V	1	
C3423	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3424	EEHBC1470P	C 47PF, J, 16V	1	
C3425	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C3426	EEHBC1470P	C 47PF, J, 16V	1	
C3427-31	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C3432-36	ECJ1VB1H103K	C 0.001UF, K, 50V	5	
C3437	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3438	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C3440-42	EEHBC0J470R	C 47PF, J, 6.3V	3	
C3443	ECGRL0G680ER	C 68PF, J, 4V	1	
C3444,45	EEHBC0J470R	C 47PF, J, 6.3V	2	
C3446	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3447	ECJ1XB0J105K	C 1UF, K, 16V	1	
C3448	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3450	ECJ1VF1C105Z	C 1UF, Z, 16V	1	
C3451	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C3523	EEHBC1470P	C 47PF, J, 16V	1	
C3524	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3550	ECJ2VF1H103Z	C 0.010UF, Z, 50V	1	
C3551	EEHBC1470P	C 47PF, J, 16V	1	
C3561,62	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C4001,02	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4003	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C4004	ECJ1VB1C823K	C 0.082UF, K, 16V	1	
C4006	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4007-09	ECJ2XB1E104K	C 0.1UF, K, 25V	3	
C4010	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4011-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C4016	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4017	EEHBC1470P	C 47PF, J, 16V	1	
C4018,19	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4020,21	F1J0J106A013	C 0.010UF, K, 16V	2	
C4022	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4024	F1J0J106A013	C 0.010UF, K, 16V	1	
C4031,32	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4201	EEHBC1470P	C 47PF, J, 16V	1	
C4202-13	ECJ1XB1C104K	C 0.1UF, Z, 16V	12	
C4219-22	F1J0J106A013	C 0.010UF, K, 16V	4	
C4225	F1J0J106A013	C 0.010UF, K, 16V	1	
C4227	F1J0J106A013	C 0.010UF, K, 16V	1	
C4301	F2G0J470A019	E 47UF 6.3V	1	
C4302	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4303,04	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C4305,06	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4307	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4308	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4309	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4310	ECA0JM331	E 330UF, 6.3V	1	
C4311	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4312	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4313	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4502	F1J0J1060004	C 0.010UF, K, 16V	1	
C4503,04	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C4505	ECJ1XC1H150J	C 15PF, J, 50V	1	
C4506	ECJ1VC1H080C	C 8PF, C, 50V	1	
C4541,42	ECJ1XC1H080D	C 8PF, D, 50V	2	
C4543	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4544	EEHBC0G221P	C 220PF, J, 4V	1	
C4545	F1J0J106A013	C 0.010UF, K, 16V	1	
C4546,47	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4548,49	F1J0J106A013	C 0.010UF, K, 16V	2	
C4550,51	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4552	F1J0J106A013	C 0.010UF, K, 16V	1	
C4553-97	ECJ1XF1C104Z	C 0.1UF, Z, 16V	45	
C4598	EEHBC0G221P	C 220PF, J, 4V	1	
C4599-14	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4629	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4671	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4672	F1J0J1060004	C 0.010UF, K, 16V	1	
C4701	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4703	F1J0J106A013	C 0.010UF, K, 16V	1	
C4704-19	ECJ1XB1C104K	C 0.1UF, Z, 16V	16	
C4733	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4743	TCUY1C105ZFN	C 1UF, 16V	1	
C4744	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4749,50	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4751,52	ECJ1XC1H150J	C 15PF, J, 50V	2	
C4753	ECJ1XF1H102Z	C 1000PF, Z, 50V	1	
C4754	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4803	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4804	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4861	TCUY1C105ZFN	C 1UF, 16V	1	
C4862	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4863	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4864	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4865	ECJ2FF1C475Z	C 0.047UF, Z, 16V	1	
C4866	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4871	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4881,82	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4884,85	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4886	ECJ1XC1H101J	C 100PF, J, 50V	1	
C4887	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4901,02	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4903	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4904	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4905	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C4906	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4907	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4908	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4909	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4910	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4911	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C4912	ECJ3YB1E106M	C 10 UF, K, 25V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C4913	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4914	EEH1B1C470P	C 47PF, J, 16V	1	
C4915	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4917	EEH1B1C470P	C 47PF, J, 16V	1	
C4918	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C4919	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4920	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4921	ECGRL0G680ER	C 68PF, J, 4V	1	
C4923	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4924	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4925	ECJ1VB1E272K	C 2700PF, K, 25V	1	
C4926	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4927	ECJ1XC1H470J	C 47PF, J, 50V	1	
C4928	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C4929	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4930,31	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C4932	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4933	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4934	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C4935	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4936	ECJ1VC1H100C	C 10PF, C, 50V	1	
C4937	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C4938	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C4939	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4940	ECGRL0G680ER	C 68PF, J, 4V	1	
C4942	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4943	ECJ1VC1H100C	C 10PF, C, 50V	1	
C4944	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C4945	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C4946	ECGRL0G680ER	C 68PF, J, 4V	1	
C4990	ECJ1VB1A105K	C 0.01UF, Z, 50V	1	
C4991	F1J0J106A013	C 0.010UF, K, 16V	1	
C4992,93	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C4994,95	F1J0J106A013	C 0.010UF, K, 16V	2	
C4996	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4997	F1J0J106A013	C 0.010UF, K, 16V	1	
C4998	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C4999	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C6001	F1L2J562A022	C 5600UF, K, 6.3V	1	
C6011-16	F2A2T201A001	E 200UF,	6	
C6023	F1L2J562A022	C 5600UF, K, 6.3V	1	
C6031	F0C2E405A176	E 0.040UF, 250V	1	
C6041-44	TCUY1C105ZFN	C 1UF, 16V	4	
C6105	F1L1E4750004	C 4.7UF, 25V	1	
C6111,12	F2A2D221A022	E 220UF, 200V	2	
C6132	F1L1E4750004	C 4.7UF, 25V	1	
C6134,35	F1L1E4750004	C 4.7UF, 25V	2	
C6151	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6152-55	F1L1E4750004	C 4.7UF, 25V	4	
C6192	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6194,95	F1L1E4750004	C 4.7UF, 25V	2	
C6201-04	F0C2E405A176	E 0.040UF, 250V	4	
C6211,12	F1L1E4750004	C 4.7UF, 25V	2	
C6213	F2A1E102A220	E 1000UF, 25V	1	
C6221	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6241	ECA1EM471	E 470UF, 25V	1	
C6242	TCUY1C105ZFN	C 1UF, 16V	1	
C6243	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6251	TCUY1C105ZFN	C 1UF, 16V	1	
C6262,63	F2A2A471A072	E 470UF, 100V	2	
C6272,73	EEUFC1E221	E 220UF, 25V	2	
C6401-03	F1L2J222A022	C 2200UF, K, 6.3V	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6411-16	F2A2T201A001	E 200UF,	6	
C6421-24	F1L2J222A022	C 2200UF, K, 6.3V	4	
C6431	F0C2E405A176	E 0.040UF, 250V	1	
C6472	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6480	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6502	F1L1E4750004	C 4.7UF, 25V	1	
C6504,05	F1L1E4750004	C 4.7UF, 25V	2	
C6512-15	F0C2E405A176	E 0.040UF, 250V	4	
C6521	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6522	F1L1E4750004	C 4.7UF, 25V	1	
C6524,25	F1L1E4750004	C 4.7UF, 25V	2	
C6527	F1L1E4750004	C 4.7UF, 25V	1	
C6561	F2A1A1010074	E 100UF, 10V	1	
C6562	TCUY1C105ZFN	C 1UF, 16V	1	
C6563	F2A1A1010074	E 100UF, 10V	1	
C6564	TCUY1C105ZFN	C 1UF, 16V	1	
C6565,66	ECJ2XB1H103K	C 0.01UF, K, 50V	2	
C6581	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6582	TCUY1C105ZFN	C 1UF, 16V	1	
C6592	ECA1EM471	E 470UF, 25V	1	
C6593	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6601,02	F1L1E4750004	C 4.7UF, 25V	2	
C6603	F1K2J102A014	C 1000UF, K, 6.3V	1	
C6604	F2A2V470A020	E 47UF, 350V	1	
C6605	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6606	F1K2J102A014	C 1000UF, K, 6.3V	1	
C6610	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6611	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6612	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6620	ECJ3XB2J222K	C 2200PF, K, 630V	1	
C6641	ECQE2105RKB	P 1UF, 250V	1	
C6661,62	F1K2J102A014	C 1000UF, K, 6.3V	2	
C6671	F1L1E4750004	C 4.7UF, 25V	1	
C6681,82	F1L1E4750004	C 4.7UF, 25V	2	
C6683	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6691	ECA2CM101	E 100UF, 160V	1	
C6701-08	ECJ2XB1H104K	C 0.1UF, K, 50V	8	
C6721	ECA1HM101	E 100UF, 50V	1	
C6723-25	F1L1E4750004	C 4.7UF, 25V	3	
C6726,27	TCUY1C105ZFN	C 1UF, 16V	2	
C6728	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6752	TCUY1C105ZFN	C 1UF, 16V	1	
C6753	F1L1E4750004	C 4.7UF, 25V	1	
C6754	ECA1VM470	E 47UF, 35V	1	
C6755	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6771	TCUY1C105ZFN	C 1UF, 16V	1	
C6772,73	F1L1E4750004	C 4.7UF, 25V	2	
C6775	F1L1E4750004	C 4.7UF, 25V	1	
C6776,77	ECJ2XB1H104K	C 0.1UF, K, 50V	2	
C6791	EEUFC1E221	E 220UF, 25V	1	
C6795,96	EEUFC1E221	E 220UF, 25V	2	
C6801	F2A2E470A022	E 47UF, 250V	1	
C6802	ECQE6223KF	P 0.022UF, K, 400V	1	
C6803	ECKD3D221KBP	C 220PF, K, 2KV	1	
C6804	F2A2E100A022	E 10UF, 250V	1	
C6805	ECJ2XC1H102J	C 1000PF, J, 50V	1	
C6806	ECA2CM101	E 100UF, 160V	1	
C6807	ECJ2XC1H471J	C 470PF, J, 50V	1	
C6811	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6812	F1L1E4750004	C 4.7UF, 25V	1	
C6813	ECA2CM101	E 100UF, 160V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C6814	ECA1VM151	E 150UF, 35V	1	
C6815	ECJ2XB1H104K	C 0.1UF, K, 50V	1	
C6822	F2A2V100A019	E 10UF, 350V	1	
C6823	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6841	ECA2DHG101	E 100UF, 200V	1	
C6842	ECA2CM101	E 100UF, 160V	1	
C6845	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6861	TCUY1C105ZFN	C 1UF, 16V	1	
C6862	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6863	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6871	TCUY1C105ZFN	C 1UF, 16V	1	
C6872	ECJ3YB1E105K	C 1UF, K, 25V	1	
C6873	ECJ2XB1H103K	C 0.01UF, K, 50V	1	
C6901	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6902	TCUY1C105ZFN	C 1UF, 16V	1	
C6904	TCUY1C105ZFN	C 1UF, 16V	1	
C6906	TCUY1C105ZFN	C 1UF, 16V	1	
C6908	TCUY1C105ZFN	C 1UF, 16V	1	
C6910	TCUY1C105ZFN	C 1UF, 16V	1	
C6912	TCUY1C105ZFN	C 1UF, 16V	1	
C6914-18	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6931	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6932-35	F1L2E105A013	E 0.10UF, 25V	4	
C6951	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6952	TCUY1C105ZFN	C 1UF, 16V	1	
C6955	TCUY1C105ZFN	C 1UF, 16V	1	
C6957, 58	TCUY1C105ZFN	C 1UF, 16V	2	
C6961	TCUY1C105ZFN	C 1UF, 16V	1	
C6963	TCUY1C105ZFN	C 1UF, 16V	1	
C6964-68	ECJ2XB1H221K	C 220PF, K, 50V	5	
C6981	ECJ2XB1H102K	C 1000PF, K, 50V	1	
C6982-85	F1L2E105A013	E 0.10UF, 25V	4	
C7103	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7105	TCUY1C105ZFN	C 1UF, 16V	1	
C7106	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7108	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7109	TCUY1C105ZFN	C 1UF, 16V	1	
C7112	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7114	TCUY1C105ZFN	C 1UF, 16V	1	
C7115	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7117	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7118	TCUY1C105ZFN	C 1UF, 16V	1	
C7121	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7123	TCUY1C105ZFN	C 1UF, 16V	1	
C7124	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7126	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7127, 28	TCUY1C105ZFN	C 1UF, 16V	2	
C7130	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7201-03	TCUY1C105ZFN	C 1UF, 16V	3	
C7205	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7206	TCUY1C105ZFN	C 1UF, 16V	1	
C7208	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7210	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7213	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7215	TCUY1C105ZFN	C 1UF, 16V	1	
C7216	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7218	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7221, 22	ECJ1XC1H101J	C 100PF, J, 50V	2	
C7225	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7226	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7228	TCUY1C105ZFN	C 1UF, 16V	1	
C7229, 30	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7232	TCUY1C105ZFN	C 1UF, 16V	1	
C7233, 34	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7236	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7237, 38	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7240	TCUY1C105ZFN	C 1UF, 16V	1	
C7241	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7243	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7247	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7249	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7251	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7302	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7306, 07	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7309, 10	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7311, 12	TCUY1C105ZFN	C 1UF, 16V	2	
C7313-15	ECJ1XC1H101J	C 100PF, J, 50V	3	
C7316, 17	TCUY1C105ZFN	C 1UF, 16V	2	
C7318	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7319	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7321	TCUY1C105ZFN	C 1UF, 16V	1	
C7322	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7331	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7333	TCUY1C105ZFN	C 1UF, 16V	1	
C7334, 35	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7337	TCUY1C105ZFN	C 1UF, 16V	1	
C7338, 39	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7341	TCUY1C105ZFN	C 1UF, 16V	1	
C7342	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7403	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7405	TCUY1C105ZFN	C 1UF, 16V	1	
C7406	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7407	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7408	TCUY1C105ZFN	C 1UF, 16V	1	
C7411	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7413	TCUY1C105ZFN	C 1UF, 16V	1	
C7414	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7415	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7416	TCUY1C105ZFN	C 1UF, 16V	1	
C7419	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7421	TCUY1C105ZFN	C 1UF, 16V	1	
C7422	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7423	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7424	TCUY1C105ZFN	C 1UF, 16V	1	
C7427	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7429	TCUY1C105ZFN	C 1UF, 16V	1	
C7430	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7431	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7432, 33	TCUY1C105ZFN	C 1UF, 16V	2	
C7435	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7440-43	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C7502	TCUY1C105ZFN	C 1UF, 16V	1	
C7504	TCUY1C105ZFN	C 1UF, 16V	1	
C7506	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7508	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7509	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7510	TCUY1C105ZFN	C 1UF, 16V	1	
C7511	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7513, 14	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C7517	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7518	TCUY1C105ZFN	C 1UF, 16V	1	
C7521	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7523	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7524	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7525	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7527	TCUY1C105ZFN	C 1UF, 16V	1	
C7528, 29	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7531	TCUY1C105ZFN	C 1UF, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C7532,33	ECJ3XB2A474K	C 0.47UF, 6.3V	2	
C7535	TCUY1C105ZFN	C 1UF, 16V	1	
C7536	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7557	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7559	TCUY1C105ZFN	C 1UF, 16V	1	
C7560	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7562	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7564	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7566	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C7603	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7605	TCUY1C105ZFN	C 1UF, 16V	1	
C7606	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7607	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7608	TCUY1C105ZFN	C 1UF, 16V	1	
C7611	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7613	TCUY1C105ZFN	C 1UF, 16V	1	
C7614	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7615	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7616	TCUY1C105ZFN	C 1UF, 16V	1	
C7619	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7621	TCUY1C105ZFN	C 1UF, 16V	1	
C7622	ECJ3XB2A474K	C 0.47UF, 6.3V	1	
C7623	ECJ1XC1H101J	C 100PF, J, 50V	1	
C7624,25	TCUY1C105ZFN	C 1UF, 16V	2	
C7626	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C8003	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8005	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8007	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8009	ECJ3XB0J106M	C 10UF, M,6.3V	1	
C8013	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8015	ECJ3YF1A106Z	C 10UF, Z, 10V	1	
C8016	ECJ3YB1A475K	C 0.047UF, K, 10V	1	
C8019	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8021	ECJ3VB1C474K	C 0.47UF, K, 16V	1	
C8023	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8025	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8027	ECJ3YB1C225K	C 0.022UF, K, 16V	1	
C8029	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8030	EEH1B1C470P	C 47PF, J, 16V	1	
C8033	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8035	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8036	ECJ1XC1H101J	C 100PF, J, 50V	1	
C8038	ECJ1XC1H102J	C 1000PF, J, 50V	1	
C8045	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C8049	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8051	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8070	ECJ1VB1E104K	C 0.10UF, K, 25V	1	
C8072,73	ECJ3YF1A106Z	C 10UF, Z, 10V	2	
C8074,75	ECJ1XC1H102J	C 1000PF, J, 50V	2	
C8080-83	ECJ1XF1C104Z	C 0.1UF, Z, 16V	4	
C8084	TCUY1C105ZFN	C 1UF, 16V	1	
C8100	EEH1B1C470P	C 47PF, J, 16V	1	
C8101	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8102,03	EEH1B1C470P	C 47PF, J, 16V	2	
C8106	EEH1B1C470P	C 47PF, J, 16V	1	
C8107	EEVHB1C471	E 470UF, 16V	1	
C8108,09	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C8111-13	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C8114	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C8115	EEH1B1C470P	C 47PF, J, 16V	1	
C8116	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C8120	F2H1E471A010	E 470UF, 25V	1	PAVCA
C8121	ECJ3YF1E225Z	C 2.2UF, Z, 25V	1	PAVCA
C8122	EEH1B1C470P	C 47PF, J, 16V	1	
C8123	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8181,82	ECJ1XC1H150J	C 15PF, J, 50V	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C8183	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C8185	EECS5R5H155	E 1.5UF, 5.5V	1	
C8200	EEH1B1C470P	C 47PF, J, 16V	1	
C9028,29	F1J0J1060004	C 0.010UF, K, 16V	2	
C9033,34	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9035,36	F1J0J1060004	C 0.010UF, K, 16V	2	
C9037	ECJ1VB1H103K	C 0.001UF, K, 50V	1	
C9039	F1J0J1060004	C 0.010UF, K, 16V	1	
C9040	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9044-53	ECJ1XF1C104Z	C 0.1UF, Z, 16V	10	
C9055-57	ECJ1XF1C104Z	C 0.1UF, Z, 16V	3	
C9058	F1J0J1060004	C 0.010UF, K, 16V	1	
C9300-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	26	
C9327-51	ECJ1XB1C104K	C 0.1UF, Z, 16V	25	
C9352	EEFCD0G560ER	56UF,	1	
C9355-59	ECJ1XB1C104K	C 0.1UF, Z, 16V	5	
C9360-64	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9365	EEFCD0G560ER	56UF,	1	
C9366,67	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9368	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9442-70	ECJ1XB1C104K	C 0.1UF, Z, 16V	29	
C9472-96	ECJ1XB1C104K	C 0.1UF, Z, 16V	25	
C9497	EEFCD0G560ER	56UF,	1	
C9512,13	ECJ1XB1C104K	C 0.1UF, Z, 16V	2	
C9514,15	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9516-25	ECJ1XB1C104K	C 0.1UF, Z, 16V	10	
C9526	F1J0J1060004	C 0.010UF, K, 16V	1	
C9527-30	ECJ1XB1C104K	C 0.1UF, Z, 16V	4	
C9531	F1J0J1060004	C 0.010UF, K, 16V	1	
C9532	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9533	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9534-38	ECJ3XB0J106M	C 10UF, M,6.3V	5	
C9539	EEFCD0G560ER	56UF,	1	
C9540,41	ECJ1VF1H103Z	C 0.010UF, Z, 50V	2	
C9542	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9546,47	ECJ1VC1H120J	C 12PF, J, 50V	2	
C9548	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9552	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9554	F1J0J1060004	C 0.010UF, K, 16V	1	
C9557	ECJ2VF1C105Z	C 1UF, Z, 16V	1	
C9601	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9608	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9800	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9801	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9802	ECJ1XC1H470J	C 47PF, J, 50V	1	
C9803	ECJ1VB1H472K	C 4700PF, K, 50V	1	
C9804	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9805	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9806	ECGRL0G680ER	C 68PF, J, 4V	1	
C9807,08	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9809	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9815,16	ECGRL0G680ER	C 68PF, J, 4V	2	
C9817,18	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9822	F1J0J1060004	C 0.010UF, K, 16V	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
C9823, 24	ECJ3YB1E106M	C 10 UF, K, 25V	2	
C9825	ECJ1XC1H101K	C 100PF, K, 50V	1	
C9826	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9827	F1J0J1060004	C 0.010UF, K, 16V	1	
C9830-32	ECJ3XB1C106M	C 1.0UF, K, 16V	3	
C9833	ECJ3YB1E106M	C 10 UF, K, 25V	1	
C9837	ECJ3XB1C106M	C 1.0UF, K, 16V	1	
C9838	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9840	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9841, 42	ECJ2VF1C105Z	C 1UF, Z, 16V	2	
C9843	ECJ1XF1C104Z	C 0.1UF, Z, 16V	1	
C9844	ECJ1VF1H103Z	C 0.010UF, Z, 50V	1	
C9845, 46	ECJ1XF1C104Z	C 0.1UF, Z, 16V	2	
C9847, 48	ECJ1VB1E104K	C 0.10UF, K, 25V	2	
C9880, 81	ECJ1XB1H102K	C 1000UF, Z, 50V	2	
C9882	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9883	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9884	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9885	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9886	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9887	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9891	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9896	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9897	ECJ1VB1H822K	C 8200PF, K, 50V	1	
C9898	ECJ1VC1H100C	C 10PF, C, 50V	1	
C9899	ECJ1XB1H102K	C 1000UF, Z, 50V	1	
C9926	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
C9967	ECJ1VB0J475K	C 4.7UF, K, 6.3V	1	
C9971	ECJ1XB1C104K	C 0.1UF, Z, 16V	1	
CA1-11	K1MN68BA0002	68P CONNECTOR	11	
CB1-11	K1MN68BA0002	68P CONNECTOR	11	
D3	K1KY40B00003	40P CONNECTOR	1	
D5	K1KB31BA0064	31P CONNECTOR	1	
D6	K1KA21A00011	21P CONNECTOR	1	
D20	K1KA20BA0296	20P CONNECTOR	1	
D25	K1KA20AA0009	20P CONNECTOR	1	
D31	K1MN80BA0076	80P CONNECTOR	1	
D32	K1MN55BA0076	55P CONNECTOR	1	
D33	K1MN68BA0076	68P CONNECTOR	1	
D34	K1MN80BA0076	80P CONNECTOR	1	
D101, 02	MA111	DIODE	2	
D104	S3V60	DIODE	1	
D107	MA111	DIODE	1	
D109	ERA15-10	DIODE	1	
D201, 02	MA165	DIODE	2	
D203, 04	MA728	DIODE	2	
D251	YG901C3R	DIODE	1	
D252	MA111	DIODE	1	
D253-55	YG901C3R	DIODE	3	
D301, 02	MA165	DIODE	2	
D303, 04	MA728	DIODE	2	
D351, 52	YG805C06R	DIODE	2	
D355	AG01A	DIODE	1	
D401	YG901C3R	DIODE	1	
D402	AG01	DIODE	1	
D403	YG901C3R	DIODE	1	
D501	S1WBA80	DIODE	1	△
D502, 03	ERA22-10	DIODE	2	
D505	MA111	DIODE	1	
D506	ST3D82	SURGE PROTECTOR	1	
D508	AG01A	DIODE	1	
D511	ERA91-02	DIODE	1	
D551	RK39	DIODE	1	
D554	MA165	DIODE	1	
D555	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D556	MA165	DIODE	1	
D801	B0JCPD000026	DIODE	1	
D802, 03	B0JCME000037	DIODE	2	
D804-10	B0JCPE000004	DIODE	7	
D850	MA165	DIODE	1	
D852	MA165	DIODE	1	
D854	MA165	DIODE	1	
D859	AK04	DIODE	1	
D1550	LNJ107W5PRW	LED	1	
D1551	MA8033L	ZENER DIODE	1	
D1554	MA8033L	ZENER DIODE	1	
D2301-03	B0JCME000037	DIODE	3	
D3001	MA111	DIODE	1	
D3003, 04	MA111	DIODE	2	
D3005	LNJ206R5ARA	LED	1	
D3007, 08	MA111	DIODE	2	
D3061	MA728	DIODE	1	
D3302	MA8140M	ZENER DIODE	1	
D3304	MA8140M	ZENER DIODE	1	
D3306-10	MA8140M	ZENER DIODE	5	
D3311	MA3036H	ZENER DIODE	1	
D3501-04	MA3056M	ZENER DIODE	4	
D3507-10	MA8160H	ZENER DIODE	4	
D4701	MA728	DIODE	1	
D4704	MA3033	ZENER DIODE	1	
D4709	MA728	DIODE	1	
D4711-13	MA152K	DIODE	3	
D4721	MA3036H	ZENER DIODE	1	
D4732-35	MA152K	DIODE	4	
D4901	B0JCME000037	DIODE	1	
D4902, 03	B0JCDD000002	DIODE	2	
D4904	B0JCME000037	DIODE	1	
D4905	B0JCDD000002	DIODE	1	
D4906	B0JCME000037	DIODE	1	
D6001	B0HBSN000008	DIODE	1	
D6021, 22	B0HBSN000008	DIODE	2	
D6032	MA111	DIODE	1	
D6041	B0EHP000003	DIODE	1	
D6051	B0EHP000003	DIODE	1	
D6061, 62	B0HBSN000008	DIODE	2	
D6071, 72	B0HBSN000008	DIODE	2	
D6081, 82	B0HBSN000008	DIODE	2	
D6091	B0HBSN000008	DIODE	1	
D6092	B0EHP000003	DIODE	1	
D6101-04	B0JCME000037	DIODE	4	
D6105	MA111	DIODE	1	
D6131, 32	B0EHP000003	DIODE	2	
D6151-54	B0EHP000003	DIODE	4	
D6191-93	B0EHP000003	DIODE	3	
D6211	B0JCME000037	DIODE	1	
D6212	B0EHP000003	DIODE	1	
D6221	B0EHP000003	DIODE	1	
D6222, 23	MA111	DIODE	2	
D6251, 52	MA8330M	ZENER DIODE	2	
D6253	LNJ301MPUJA	LED	1	
D6254	MA8051L	ZENER DIODE	1	
D6255	MA111	DIODE	1	
D6401	B0HBSN000008	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6404	B0HBSN000008	DIODE	1	
D6431, 3 2	B0HBSP000019	DIODE	2	
D6441	B0ECHP000003	DIODE	1	
D6451	B0ECHP000003	DIODE	1	
D6461, 6 2	B0HBSN000008	DIODE	2	
D6466	MA111	DIODE	1	
D6471	B0HBSN000008	DIODE	1	
D6472	B0ECHP000003	DIODE	1	
D6477	MA111	DIODE	1	
D6478	B0HCKS000002	DIODE	1	
D6480	MA111	DIODE	1	
D6481, 8 2	B0HBSN000008	DIODE	2	
D6491	B0HBSP000019	DIODE	1	
D6497	MA111	DIODE	1	
D6501, 0 2	B0ECHP000003	DIODE	2	
D6521- 24	B0ECHP000003	DIODE	4	
D6581, 8 2	MA8330M	ZENER DIODE	2	
D6583	LNJ301MPUJA	LED	1	
D6584	MA8051L	ZENER DIODE	1	
D6585	MA111	DIODE	1	
D6601	MA8240M	ZENER DIODE	1	
D6602	B0ECHP000003	DIODE	1	
D6603	MA8240M	ZENER DIODE	1	
D6604	MA111	DIODE	1	
D6605	MA8051L	ZENER DIODE	1	
D6606	B0HCMM000014	DIODE	1	
D6607	MA111	DIODE	1	
D6610	MAZ81500ML	ZENER DIODE	1	
D6611- 14	MA111	DIODE	4	
D6619, 2 0	B0HCKS000002	DIODE	2	
D6621- 24	B0HDSM000005	DIODE	4	
D6641, 4 2	B0HCKS000002	DIODE	2	
D6643	MA111	DIODE	1	
D6644	B0HCKS000002	DIODE	1	
D6661	MA111	DIODE	1	
D6662- 64	MA8330M	ZENER DIODE	3	
D6665	MA8051L	ZENER DIODE	1	
D6666, 6 7	MA111	DIODE	2	
D6671	MA111	DIODE	1	
D6682	B0HCMM000014	DIODE	1	
D6683, 8 4	MA111	DIODE	2	
D6686, 8 7	MA111	DIODE	2	
D6701, 0 2	MA8056H	ZENER DIODE	2	
D6721	B0HCKS000002	DIODE	1	
D6723, 2 4	B0JCME000037	DIODE	2	
D6725	B0ECHP000003	DIODE	1	
D6726- 33	MA8056H	ZENER DIODE	8	
D6734	MA111	DIODE	1	
D6752	B0JCME000037	DIODE	1	
D6758	B0ECHP000003	DIODE	1	
D6760, 6 1	MA111	DIODE	2	
D6771	B0JCME000037	DIODE	1	
D6773	B0HCKS000002	DIODE	1	
D6791	MA8200M	ZENER DIODE	1	
D6802	B0BC01000044	ZENER DIODE	1	
D6803	B0HCKS000002	DIODE	1	
D6804	B0ECHP000003	DIODE	1	
D6805	MA111	DIODE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
D6806	B0ECHP000003	DIODE	1	
D6807- 10	B0HCMM000014	DIODE	4	
D6820- 23	MA111	DIODE	4	
D6825	MA8330M	ZENER DIODE	1	
D6826	MA111	DIODE	1	
D6841	B0HCKS000002	DIODE	1	
D6842, 4 3	MA111	DIODE	2	
D6859	B0ECHP000003	DIODE	1	
D6860	B0HCKS000002	DIODE	1	
D6861	MA8051L	ZENER DIODE	1	
D6862	MA111	DIODE	1	
D6871	MA8051L	ZENER DIODE	1	
D6872	MA111	DIODE	1	
D6901, 0 2	MA8056H	ZENER DIODE	2	
D6903, 0 4	B0ECHP000003	DIODE	2	
D6951, 5 2	MA8056H	ZENER DIODE	2	
D6953, 5 4	B0ECHP000003	DIODE	2	
D8001	MA111	DIODE	1	
D8003	MA111	DIODE	1	
D8010, 1 1	MA153	DIODE	2	
D8180	MA111	DIODE	1	
D8181	MA8056-M	ZENER DIODE	1	
D8184, 8 5	MA8056-M	ZENER DIODE	2	
D8200	MAZ31600ML	ZENER DIODE	1	PAVCA
D8201	MA111	DIODE	1	
D8203	MA3100M	ZENER DIODE	1	
D8204	MA111	DIODE	1	
D8209	MA111	DIODE	1	
D9017- 19	MA3033	ZENER DIODE	3	
D9020	MA728	DIODE	1	
D9035	MA728	DIODE	1	
D9100- 03	B0JCGD000002	DIODE	4	
D9105, 0 6	B0JCGD000002	DIODE	2	
D9110	B0JCGD000002	DIODE	1	
D9300, 0 1	MA152K	DIODE	2	
D9400, 0 1	MA152K	DIODE	2	
D9800	B0JCME000037	DIODE	1	
D9801	B0JCDD000002	DIODE	1	
D9802	MA728	DIODE	1	
D9804	MA152K	DIODE	1	
D9807, 0 8	MA152K	DIODE	2	
D9812	B0JCME000037	DIODE	1	
D9813	B0JCDD000002	DIODE	1	
D9814	B0JCME000037	DIODE	1	
D9815	B0JCDD000002	DIODE	1	
DA1	K1KA20AA0335	20P CONNECTOR	1	
DA2	K1KY40B00003	40P CONNECTOR	1	
DA3	K1KA30AA0009	30P CONNECTOR	1	
DA4	K1KA14A00248	14P CONNECTOR	1	
DA5	K1KB21BA0063	21P CONNECTOR	1	
DA6	K1KA31A00007	31P CONNECTOR	1	
DA11	K1KA21A00011	21P CONNECTOR	1	
FL3000- 04	F1J1E1040022	C 0.10UF, Z, 25V	5	
FL3006- 08	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL3010	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL4001	J0MAB0000175	LC FILTER	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
FL4502-04	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL4703	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL4705-09	F1J1E1040022	C 0.10UF, Z, 25V	5	
FL7201	J0HABH000013	LC FILTER	1	
FL7301	J0HABH000013	LC FILTER	1	
FL7501	J0HABH000013	LC FILTER	1	
FL8000	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL9300	F1J1E1040022	C 0.10UF, Z, 25V	1	
FL9301	J0HABH000013	LC FILTER	1	
FL9302-04	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL9305, 06	J0HABH000013	LC FILTER	2	
FL9400, 01	J0HABH000013	LC FILTER	2	
FL9402-04	F1J1E1040022	C 0.10UF, Z, 25V	3	
FL9501, 02	J0HABH000013	LC FILTER	2	
FL9800, 01	J0HABH000013	LC FILTER	2	
FL9803, 04	J0HABH000012	LC FILTER	2	
FL9805-07	J0HABH000013	LC FILTER	3	
H0	K1KA08AA0150	8P CONNECTOR	1	
H1	K1KA08B00037	80P CONNECTOR	1	
H1 02	K1KA08B00037	80P CONNECTOR	1	
H37	K1KA03AA0190	3P CONNECTOR	1	
H37 02	K1KA03AA0190	3P CONNECTOR	1	
HX1	K1KB22A00036	22P CONNECTOR	1	
IC101	FA5502P	CONTROL	1	
IC401	AN1431T	LINEAR IC	1	
IC501	MIP3E30MP	CONTROL	1	△
IC801-03	C0DBAMH00013	IC	3	
IC804	C0CBCAC00275	IC	1	
IC805	C0DBAMH00027	IC	1	
IC850	C0DAAZG00014	IC	1	
IC2301, 02	C1AB00002534	IC	2	PAVCA
IC2303	C1BB00001006	IC	1	
IC2305	C0ABBA000168	IC	1	
IC3001	C1AB00002530	IC	1	PAVCA
IC3002	C0JBRR000002	IC	1	
IC3002 02	C3EAGC000027	IC	1	
IC3003	CXA1315M	LINEAR IC	1	
IC3004	CXA1875AM	LINEAR IC	1	
IC3005	C1AB00002529	IC	1	PAVCA
IC3006	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC3007, 08	C0JBAS000215	IC	2	
IC3101	C1AB00002238	IC	1	
IC3150-52	C0JBAA000419	IC	3	
IC3301	CXA2089Q	LINEAR IC	1	
IC3302	PST9128NR	IC (LOGIC)	1	
IC3303	C0CBCAC00275	IC	1	
IC3304	C1AB00002487	IC	1	
IC3305	C3ABMG000227	IC	1	
IC3306	C0JBAZ002269	IC	1	
IC3307	C0JBCZ000523	IC	1	
IC3309	C3EBGC000065	IC	1	
IC3502	C3EBCC000068	IC	1	PAVCA
IC4001	C0FBAY000012	IC	1	PAVCA
IC4002	C0DBEGE00002	IC	1	
IC4031, 32	C0JBAE000354	IC	2	
IC4201	C1ZBZ0003233	IC	1	PAVCA

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC4301	C0JBAP000020	IC	1	
IC4500	C1ZBZ0002769	IC	1	
IC4501	MN845111-A	IC	1	
IC4502	C3ABQJ000031	IC	1	
IC4671	C0ZBZ0001410	IC	1	PAVCA
IC4701	MN103SB30RGL	IC	1	PAVCA
IC4702	TVRN928	IC	1	PAVCA
IC4703	C3EBJC000059	IC	1	
IC4704	C0EBE0000447	IC	1	
IC4711	C0JBAE000354	IC	1	
IC4714	C0JBAZ000856	IC	1	
IC4715	C0JBAE000354	IC	1	
IC4803	C0JBAS000215	IC	1	
IC4901	C0DBAHD00011	IC	1	
IC4951, 52	C0DBAYY00054	IC	2	
IC4953	C0CBCAD00016	IC	1	
IC4955	C0DBAYY00054	IC	1	
IC4956	C0CBCBC00190	IC	1	
IC4957	C0DBAHD00011	IC	1	
IC6131	C0ZBZ0000895	IC	1	
IC6151	C0ZBZ0001324	IC	1	
IC6191	C0ZBZ0000895	IC	1	
IC6211	C0ZBZ0001325	IC	1	
IC6221	C0DBEMB00005	IC	1	
IC6241	C0JBAZ000005	IC	1	
IC6251	NJM2903M	INTEGRATED CIRCUIT	1	
IC6471	C0DBEKA00003	IC	1	
IC6472	C0JBAA000377	IC	1	
IC6501	C0ZBZ0000895	IC	1	
IC6521	C0ZBZ0001324	IC	1	
IC6561, 62	C0JBAZ000005	IC	2	
IC6581	NJM2903M	INTEGRATED CIRCUIT	1	
IC6601	C0ZBZ0001325	IC	1	
IC6602	C0JBAB000715	IC	1	
IC6610	NJM2903M	INTEGRATED CIRCUIT	1	
IC6671	C0ZBZ0001325	IC	1	
IC6681	C0ZBZ0001325	IC	1	
IC6682	C0JBAA000377	IC	1	
IC6721, 22	C0JBAZ000994	IC	2	
IC6724, 25	C0CBADC00089	IC	2	
IC6751	C0CBADC00089	IC	1	
IC6752	C0ZBZ0001325	IC	1	
IC6753	C0JBAB000715	IC	1	
IC6771	C0CBADC00089	IC	1	
IC6772	C0ZBZ0001325	IC	1	
IC6773, 74	C0JBAA000377	IC	2	
IC6791	N0BF1FB00001	IC	1	
IC6801, 02	C0DBEMB00005	IC	2	
IC6803	C0DAAMH00005	IC	1	
IC6821	C0DBEMB00005	IC	1	
IC6841	C0DBEMB00005	IC	1	
IC6861	NJM2903M	INTEGRATED CIRCUIT	1	
IC6871	NJM2903M	INTEGRATED CIRCUIT	1	
IC6901-06	AN16071A-VT	IC	6	
IC6951-56	AN16071A-VT	IC	6	
IC7101	C0JBAZ001120	IC	1	
IC7201-09	C0JBAZ001120	IC	9	
IC7301-05	C0JBAZ001120	IC	5	
IC7401-05	C0JBAZ001120	IC	5	
IC7501-09	C0JBAZ001120	IC	9	
IC7601	C0JBAZ001120	IC	1	
IC8001	MC14052BF	MOS IC (CMOS GATE ARRLY)	1	
IC8003	C1AA00000706	IC	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
IC8005	C0JBAB000646	IC	1	
IC8007	C0JBAR000419	IC	1	
IC8009	C0JBAS000215	IC	1	
IC8014	C0ZBZ0000911	IC	1	
IC8016	C0JBAZ001934	IC	1	
IC8100	C0DBEJG00001	IC	1	
IC8181	C1DB00001208	IC	1	
IC9001	TVRP017S	IC	1	PAVCA
IC9002	C0ZBZ0001330	IC	1	
IC9003	C2CBJG000730	IC	1	
IC9007	TVRN814-1	IC	1	
IC9011	C0EBF0000431	IC	1	
IC9200	C1ZBZ0003186	IC	1	
IC9300	MN84521-A	IC	1	
IC9301	C3ABQJ000051	IC	1	
IC9304	TVRN826S	IC	1	PAVCA
IC9400	MN84521-A	IC	1	
IC9401	C3ABQJ000051	IC	1	
IC9402	C0JBAZ002614	IC	1	
IC9500	C1ZBZ0002599	IC	1	
IC9503-05	C0JBAZ001120	IC	3	
IC9602	PST9128NR	IC (LOGIC)	1	
IC9800	C0DBAYY00054	IC	1	
IC9801	C0DBZFG00066	IC	1	
IC9802, 03	C0JBAZ001120	IC	2	
IC9806	C0DBAHD00011	IC	1	
IC9807	C0DBAYY00054	IC	1	
IC9809	C0DBAYY00054	IC	1	
J1	K1KA20B00163	20P CONNECTOR	1	PAVCA
J2	K1KA06BA0047	6P CONNECTOR	1	
J3	K1KA30B00078	30P CONNECTOR	1	PAVCA
J4	K1KA11BA0051	11P CONNECTOR	1	
J5	K1KA21B00008	21P CONNECTOR	1	
J6	K1KA21B00009	21P CONNECTOR	1	
J7, J8	K1KA03BA0055	3P CONNECTOR	2	
J10	K1KA06BA0050	6P CONNECTOR	1	
J11-13	K1KB80B00024	80P CONNECTOR	3	
J14	K1KA22A00067	22P CONNECTOR	1	
J15	K1KA03BA0047	3P CONNECTOR	1	
J30	K1KA05BA0050	5P CONNECTOR	1	PAVCA
JK3001	K1QBB3BB0002	CONNECTOR	1	
JK3002	K2HA204B0097	JACK	1	
JK3301	K1QBB1AB0008	CONNECTOR	1	
JK3302, 03	K2HA204B0097	JACK	2	
JK3304	K1CB106B0027	CONNECTOR	1	
JK3509	K1FB109BA018	CONNECTOR	1	
JK3511	K1FB115BA020	CONNECTOR	1	
JK3513	K2HC103B0105	JACK	1	
JK8500	K4BC02B00013	AV TERMENAL	1	
JK8500 02	K4BC02B00013	AV TERMENAL	1	
JS3001-08	ERJ3GEY0R00	M 0 OHM, 1/16W	8	
JS3011-16	ERJ3GEY0R00	M 0 OHM, 1/16W	6	
JS8094	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
JS8096	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
K101	DG12D1-0	RELAY	1	△
K102	DLS12D1-0	RELAY	1	△
L101, 02	P3180207Z	CHOKE COIL	2	△
L103	ETB44CZ129AD	TRANS	1	
L104	EXCELSR35T	BEAD CHOKE	1	
L106	EXCELSR35T	BEAD CHOKE	1	
L108	EXCELSR35T	BEAD CHOKE	1	
L352, 53	EXCELD35C	BEAD CHOKE	2	
L501	EXCELSA35	BEAD CHOKE	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L502	EXCELD35C	BEAD CHOKE	1	
L801	GLA101ZA0007	CHOKE COIL	1	PAVCA
L802	GLC101MA0167	INDUCTION COIL	1	PAVCA
L803	GLC220MA0167	INDUCTION COIL	1	PAVCA
L804, 05	J0JHC0000078	CHIP INDUCTOR	2	
L807-11	J0JHC0000078	CHIP INDUCTOR	5	
L812	GLC470M00012	INDUCTOR COIL	1	
L851	G0A680ZA0047	CHOKE COIL	1	
L1501-08	J0JHC0000078	CHIP INDUCTOR	8	
L2330, 3 1	G0A221ZA0041	CHOKE COIL	2	
L3001	J0HABB000004	LC FILTER	1	
L3002	GLC100K00020	INDUCTION COIL	1	
L3003	J0HABB000004	LC FILTER	1	
L3004	J0HABB000003	LC FILTER	1	
L3005	GLC100K00020	INDUCTION COIL	1	
L3005 02	J0HABB000003	LC FILTER	1	
L3006 02	ELJPA100KFB	CHIP INDUCTOR	1	
L3006	GLC100K00020	INDUCTION COIL	1	
L3050	GLC100K00020	INDUCTION COIL	1	
L3140	J0JHC0000078	CHIP INDUCTOR	1	
L3301-07	EXC3BB221H	BEAD CHOKE	7	
L3308, 0 9	GLC100K00020	INDUCTION COIL	2	
L3310, 1 1	J0JHC0000078	CHIP INDUCTOR	2	
L3312, 1 3	GLC6R8MA0061	INDUCTOR COIL	2	
L3314-20	J0JHC0000078	CHIP INDUCTOR	7	
L3507-09	J0HABB000004	LC FILTER	3	
L3510-17	TLK212T256AL	EMI FILTER	8	
L3526	ELJPA100KFB	CHIP INDUCTOR	1	
L3555	ELJPA100KFB	CHIP INDUCTOR	1	
L4206	J0JHC0000096	CHIP INDUCTOR	1	
L4301-03	J0JHC0000078	CHIP INDUCTOR	3	
L4501	GLC150KA0038	INDUCTION COIL	1	
L4502-05	J0JHC0000096	CHIP INDUCTOR	4	
L4671	GLC150KA0038	INDUCTION COIL	1	
L4701-04	J0JHC0000096	CHIP INDUCTOR	4	
L4901	GLC3R3MA0175	INDUCTION COIL	1	PAVCA
L4902	GLC3R0MA0248	INDUCTION COIL	1	
L4903	GLC2R2MA0248	INDUCTION COIL	1	PAVCA
L6002-04	G0CR82KA0147	CHOKE COIL	3	
L6011-14	G0A1R4MA0003	CHOKE COIL	4	
L6061-68	G0ZZ00002183	PEAKING COIL	8	
L6081-88	G0ZZ00002183	PEAKING COIL	8	
L6101, 0 2	J0JJC0000011	CHIP INDUCTOR	2	
L6103	G0ZZ00002183	PEAKING COIL	1	
L6104, 0 5	J0JJC0000011	CHIP INDUCTOR	2	
L6211, 1 2	J0JJC0000011	CHIP INDUCTOR	2	
L6221	G0ZZ00002183	PEAKING COIL	1	
L6241	G0ZZ00002183	PEAKING COIL	1	
L6262	G0ZZ00002183	PEAKING COIL	1	
L6271, 7 2	G0ZZ00002183	PEAKING COIL	2	
L6398, 9 9	J0JJC0000011	CHIP INDUCTOR	2	
L6401, 0 2	G0CR82KA0147	CHOKE COIL	2	
L6404	G0CR82KA0147	CHOKE COIL	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
L6411-14	G0A1R4MA0003	CHOKE COIL	4	
L6461-68	G0ZZ00002183	PEAKING COIL	8	
L6472, 73	G0ZZ00002183	PEAKING COIL	2	
L6481-88	G0ZZ00002183	PEAKING COIL	8	
L6591, 92	G0ZZ00002183	PEAKING COIL	2	
L6601, 02	G0ZZ00002183	PEAKING COIL	2	
L6801, 02	J0JJC0000011	CHIP INDUCTOR	2	
L6841	J0JJC0000011	CHIP INDUCTOR	1	
L8001	G1C100K00020	INDUCTION COIL	1	
L8003	G1C100K00020	INDUCTION COIL	1	
L8005	G1C100K00020	INDUCTION COIL	1	
L8101-08	J0JHC0000078	CHIP INDUCTOR	8	
L9501, 02	J0JHC0000078	CHIP INDUCTOR	2	
L9503	G1C150KA0038	INDUCTION COIL	1	
L9800	G1C3R0MA0248	INDUCTION COIL	1	
L9801, 02	G1C2R2MA0241	INDUCTION COIL	2	
L9810	J0JHC0000045	CHIP INDUCTOR	1	
MC101	MP00P7	MODULE	1	△
MC201	MLZNC101	MODULE	1	△
MC202	MP00R1	MODULE	1	△
MC301	MLZNC221	MODULE	1	△
MC502	MLWNB103	MODULE	1	△
MC601	MLSZA100	MODULE	1	△
MC701	MLZDC103	MODULE	1	△
P2	B2P3-VH-B	CONNECTOR	1	
P5	B11B-PH-KS	CONNECTOR	1	
P9	B3P4VH-B-L	CONNECTOR	1	△
P10	B6B-PH-KS	CONNECTOR	1	
P11	B2P3-VH-B	CONNECTOR	1	
P12	B10B-PH-KS	CONNECTOR	1	
P23	B3B-PH-KS	CONNECTOR	1	
P25	B20B-PHDSS	CONNECTOR	1	
PA4901	K5H4022A0023	FUSE	1	
PA9800	K5H4022A0023	FUSE	1	
PB30	K1KA05AA0193	5P CONNECTOR	1	
PB31	K1KA03AA0192	3P CONNECTOR	1	
PB33	K1KA03AA0192	3P CONNECTOR	1	
PB35	K1KA03AA0192	3P CONNECTOR	1	
PC503	PS2581A	PHOTO CAPLER	1	△
PC505, 06	PS2581A	PHOTO CAPLER	2	△
PC6480	B3PBA0000223	IC	1	
PC6701-03	B3PBA0000233	IC	3	
PC6704	B3PBA0000234	IC	1	
PC6705	B3PBA0000233	IC	1	
PC6760	B3PBA0000223	IC	1	
PC6801	B3PBA0000223	IC	1	
PC6861	B3PBA0000223	IC	1	
PC6871	B3PBA0000223	IC	1	
Q103	2SD2185	TRANSISTOR	1	
Q104	2SB1440	TRANSISTOR	1	
Q106	2SD1819A	TRANSISTOR	1	
Q301, 02	2SK3568	FET	2	△
Q351, 52	2SK3813	FET	2	
Q353, 54	2SB1218A	TRANSISTOR	2	
Q401	2SA1699	TRANSISTOR	1	
Q402	2SK3302	FET	1	
Q403	2SD601A	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q404, 05	2SK2391	FET	2	
Q406	2SD601A	TRANSISTOR	1	
Q501	2SK3302	FET	1	
Q502	2SK2731T	FET	1	
Q551, 52	HAT1130R	FET	2	
Q553	2SB710A	TRANSISTOR	1	
Q850	2SC3311A	TRANSISTOR	1	
Q1540	2SD601A	TRANSISTOR	1	
Q2300	B1BDCF000028	TRANSISTOR	1	
Q2331	B1BDCF000028	TRANSISTOR	1	
Q2372	2SD601A	TRANSISTOR	1	
Q3001	2SB709A	TRANSISTOR	1	
Q3002	2SD601A	TRANSISTOR	1	
Q3004	2SD601A	TRANSISTOR	1	
Q3301-04	2SD601A	TRANSISTOR	4	
Q3305-08	2SB0709A	TRANSISTOR	4	
Q3531, 32	2SD601A	TRANSISTOR	2	
Q4701	B1CBHD000002	FET	1	
Q4702-07	2SD601A	TRANSISTOR	6	
Q4709, 10	2SD601A	TRANSISTOR	2	
Q4712-14	2SD601A	TRANSISTOR	3	
Q4801	B1CBHD000002	FET	1	
Q4802, 03	2SD601A	TRANSISTOR	2	
Q4901-03	B1MBEDA00015	TRANSISTOR	3	
Q4961, 62	2SD601A	TRANSISTOR	2	
Q6001-03	B1JADN000001	TRANSISTOR	3	
Q6021-23	B1JADN000001	TRANSISTOR	3	
Q6041-43	B1JADN000002	TRANSISTOR	3	
Q6052, 53	B1JADN000002	TRANSISTOR	2	
Q6101, 02	B1DFKM000002	TRANSISTOR	2	
Q6103	B1ABNF000006	TRANSISTOR	1	
Q6104	B1ADNF000006	TRANSISTOR	1	
Q6105, 06	B1DFKM000002	TRANSISTOR	2	
Q6111	2SK326800L	FET	1	
Q6112	B1DFKM000002	TRANSISTOR	1	
Q6114	B1DFKM000002	TRANSISTOR	1	
Q6141	B1ABNF000006	TRANSISTOR	1	
Q6142	B1ADNF000006	TRANSISTOR	1	
Q6146	B1ABNF000006	TRANSISTOR	1	
Q6147	B1ADNF000006	TRANSISTOR	1	
Q6171	2SD2185	TRANSISTOR	1	
Q6172	B1ADRD000001	TRANSISTOR	1	
Q6181	2SD2185	TRANSISTOR	1	
Q6182	B1ADRD000001	TRANSISTOR	1	
Q6221	2SD1263A	TRANSISTOR	1	
Q6222	2SC3063	TRANSISTOR	1	
Q6251	2SD601A	TRANSISTOR	1	
Q6401-03	B1JADN000001	TRANSISTOR	3	
Q6421-23	B1JAEP000001	TRANSISTOR	3	
Q6441-43	B1JADN000002	TRANSISTOR	3	
Q6452, 53	B1JADP000002	TRANSISTOR	2	
Q6471	B1CHGD000006	TRANSISTOR	1	
Q6511	B1ABNF000006	TRANSISTOR	1	
Q6512	B1ADNF000006	TRANSISTOR	1	
Q6516	B1ABNF000006	TRANSISTOR	1	
Q6517	B1ADNF000006	TRANSISTOR	1	
Q6531	2SD2185	TRANSISTOR	1	
Q6532	B1ADRD000001	TRANSISTOR	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
Q6551	2SD2185	TRANSISTOR	1	
Q6552	B1ADDR000001	TRANSISTOR	1	
Q6581	2SD601A	TRANSISTOR	1	
Q6601	B1DEDS000001	TRANSISTOR	1	
Q6602	2SD601A	TRANSISTOR	1	
Q6621, 2	B1DFKM000001	TRANSISTOR	2	
Q6641-45	B1DFKM000001	TRANSISTOR	5	
Q6647, 4	B1DFKM000001	TRANSISTOR	2	
Q6661	B1DEET000002	TRANSISTOR	1	
Q6662	2SD601A	TRANSISTOR	1	
Q6663	2SD2185	TRANSISTOR	1	
Q6671-73	B1DEDS000001	TRANSISTOR	3	
Q6680	B1ADNF000006	TRANSISTOR	1	
Q6681, 8	2SK389500L	FET	2	
Q6691	2SK620	FET	1	
Q6742, 4	2SD601A	TRANSISTOR	2	
Q6744	2SK620	FET	1	
Q6762	B1ADNF000006	TRANSISTOR	1	
Q6781	B1ABNF000006	TRANSISTOR	1	
Q6782	B1ADNF000006	TRANSISTOR	1	
Q6791	2SD601A	TRANSISTOR	1	
Q6803	2SD814A	TRANSISTOR	1	
Q6821	2SD1263A	TRANSISTOR	1	
Q6822	2SC3063	TRANSISTOR	1	
Q6824	2SD601A	TRANSISTOR	1	
Q6841	2SD1263A	TRANSISTOR	1	
Q6842	2SC1473A	TRANSISTOR	1	
Q8002	2SD601A	TRANSISTOR	1	
Q8010	2SD601A	TRANSISTOR	1	
Q8011	2SB709A	TRANSISTOR	1	
Q8012	2SD601A	TRANSISTOR	1	
Q8013	2SB709A	TRANSISTOR	1	
Q8019	2SD601A	TRANSISTOR	1	
Q8181-84	B1CBHD000002	FET	4	
Q8200-02	2SD601A	TRANSISTOR	3	
Q9044	2SD601A	TRANSISTOR	1	
Q9046	2SD601A	TRANSISTOR	1	
Q9049	2SB709A	TRANSISTOR	1	
Q9050-54	2SD601A	TRANSISTOR	5	
Q9057, 5	B1CBHD000002	FET	2	
Q9100	2SD601A	TRANSISTOR	1	
Q9200, 0	B1CBHD000002	FET	2	
Q9301, 0	2SD601A	TRANSISTOR	2	
Q9400-02	2SD601A	TRANSISTOR	3	
Q9800, 0	B1MBEDA00015	TRANSISTOR	2	
Q9803	B1MBEDA00015	TRANSISTOR	1	
Q9805, 0	2SD601A	TRANSISTOR	2	
R101	ERC12UGK185	S 1.8MOHM, K, 1/2W	1	
R103	R5B100J	W 10 OHM, J, 5W	1	
R104-06	ERJ6ENF1213	M 121KOHM, 1/10W	3	
R107	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R108	ERJ6ENF1213	M 121KOHM, 1/10W	1	
R109-11	RF5EJR18B	F 0.180HM, J, 5W	3	
R113	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R114	ERJ6ENF2701	M 2.7KOHM, 1/10W	1	
R115	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R116	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R117	ERJ12YJ330	M 33 OHM, J, 1/2W	1	
R118	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R119	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R120	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R122	ERJ6GEYJ154	M 150KOHM, J, 1/10W	1	
R123	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R125	ERJ12YJ470	M 47 OHM, J, 1/2W	1	
R127-29	ERJ6GEYJ183	M 18KOHM, J, 1/10W	3	
R130	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R131	ER0S2CKF4993	M 499KOHM, F, 1/4W	1	
R132, 33	ERJ6ENF2493	M 249KOHM, 1/10W	2	
R134	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R135	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R136	ERJ6ENF3162	M31.6KOHM, 1/10W	1	
R137	ERJ6GEYJ123	M 12KOHM, J, 1/10W	1	
R138	ERJ6GEYJ474	M 470KOHM, J, 1/10W	1	
R139	ERJ6ENF3302	M 33KOHM, 1/10W	1	
R140-42	ERJ6ENF5493	M 549KOHM, 1/10W	3	
R143	ERJ6ENF6041	M6.04KOHM, 1/10W	1	
R144	ERJ6ENF6191	M6.19KOHM, 1/10W	1	
R145	ERJ6GEYJ204	M 200KOHM, J, 1/10W	1	
R146	ERJ6GEYJ684	M 680KOHM, J, 1/10W	1	
R147	ERJ6GEYJ393	M 39KOHM, J, 1/10W	1	
R149	ERJ6GEYJ393	M 39KOHM, J, 1/10W	1	
R150, 51	ERJ6ENF2493	M 249KOHM, 1/10W	2	
R201, 02	ERJ12YJ221U	M 220 OHM, J, 1/2W	2	
R203, 04	ERJ12YJ220	M 22 OHM, J, 1/2W	2	
R205-07	ERJ12YJ683	M 68KOHM, 1/2W	3	
R208, 09	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R210	ERX12SJ1R0	M 0.1 OHM, J, 1/2W	1	
R251, 52	ERG2SJ183H	M 18KOHM, J, 2W	2	
R253-55	ERJ6GEYJ114	M 110KOHM, J, 1/10W	3	
R256, 57	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	2	
R258-61	ERJ6ENF6192	M61.9KOHM, 1/10W	4	
R262	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R301, 02	ERJ12YJ101	M 100 OHM, J, 1/2W	2	
R303, 04	ERJ12YJ220	M 22 OHM, J, 1/2W	2	
R305-07	ERJ12YJ683	M 68KOHM, J, 1/2W	3	
R308, 09	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R310	ERX12SJ1R0	M 0.1 OHM, J, 1/2W	1	
R351	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R353	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R354	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R356, 57	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R358	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R359, 60	ERJ6GEYJ223	M 22KOHM, J, 1/10W	2	
R361	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R362	ERDS2TJ101	C 100 OHM, J, 1/4W	1	
R363	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R364	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R365-67	ERJ6GEYJ223	M 22KOHM, J, 1/10W	3	
R368	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R369, 70	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	2	
R371	ERJ6ENF1622	M16.2KOHM, 1/10W	1	
R372	ERJ6GEYJ1R0	M 1 OHM, J, 1/10W	1	
R373	ERDS2TJ471	C 470 OHM, J, 1/4W	1	
R380, 81	ERG3FJ331H	M 330 OHM, J, 3W	2	
R401	ERJ12YJ100	M 10 OHM, J, 1/2W	1	
R402, 03	ERJ12YJ104U	M 100KOHM, 1/2W	2	
R404	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R405, 06	ERJ6GEYJ184	M 180KOHM, J, 1/10W	2	
R407	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R408	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R409	ERG2SJ682	M 6.8KOHM, J, 2W	1	
R410	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R412	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R413	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R414-17	ERJ6GEYJ123	M 12KOHM, J, 1/10W	4	
R418	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R420	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R421	ERJ6ENF4751	M4.75KOHM, 1/10W	1	
R422	ERJ6ENF1581	M1.58KOHM, 1/10W	1	
R423, 24	ERJ6ENF7152	M71.5KOHM, 1/10W	2	
R425	ERJ6ENF3002	M 30KOHM, 1/10W	1	
R426	RF2EJR47B	W0.47 OHM, J, 2W	1	
R428	ERJ6ENF6342	M6.34KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R429	ERJ6ENF5362	M5.36KOHM, 1/10W	1	
R430	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R474	ERJ6ENF1052	M10.5KOHM, 1/10W	1	
R477-80	ERJ6ENF1052	M10.5KOHM, 1/10W	4	
R501	ERJ12YJ474	M 470KOHM, 1/2W	1	
R503	ERJ12YJ474	M 470KOHM, 1/2W	1	
R505	ERJ6GEYJ334	M 330KOHM, J, 1/10W	1	
R507,08	ERJ6GEYJ334	M 330KOHM, J, 1/10W	2	
R509-12	ERJ6ENF8253	M 825KOHM, 1/10W	4	
R514,15	ERJ6ENF8253	M 825KOHM, 1/10W	2	
R518	ERJ12YJ100	M 10 OHM, J, 1/2W	1	
R519	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R528,29	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R530	ER0S2TKF5363	M 536KOHM, F, 1/4W	1	
R531	ERJ6GEYJ474	M 4.7 OHM, J, 1/10W	1	
R560	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R561	ERDS2TJ332	C 3.3KOHM, J, 1/4W	1	
R563	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R564	ERJ6GEYJ391	M 390 OHM, J, 1/10W	1	
R565	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R566	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R567	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R568	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R569,70	ERJ12YJ151	M 150 OHM, J, 1/2W	2	
R571	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R572,73	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R574	ER0S2TKF5363	M 536KOHM, F, 1/4W	1	
R580	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R802	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R803	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R804	ERJ3GEYJ823	M 82KOHM, J, 1/16W	1	
R805	ERJ3EKF8452	M84.5KOHM, 1/16W	1	
R806	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R810	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R811	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R812	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R813	ERJ3EKF4222	M42.2KOHM, 1/16W	1	
R814	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R818	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R819	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R820	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R821	ERJ3EKF2432	M24.3KOHM, 1/16W	1	
R822	ERJ3EKF1052	M10.5KOHM, 1/16W	1	
R825-27	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	3	
R828	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R829	ERJ6ENF1001	M 1KOHM, 1/10W	1	
R830	ERJ6ENF8451	M8.45KOHM, 1/10W	1	
R831	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R832	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	1	
R834	ERJ6ENF7502	M 75KOHM, 1/10W	1	
R835	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	
R836	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R837	ERJ3GEYJ184	M 180KOHM, J, 1/16W	1	
R838	ERJ12YJ330	M 33 OHM, J, 1/2W	1	
R839	ERJ12YJ681	M 680 OHM, J, 1/2W	1	
R840	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R850	ER0S2CKF4701	M 4.7KOHM, F, 1/4W	1	
R851	ERDS2TJ332	C 3.3KOHM, J, 1/4W	1	
R852	ERDS2TJ473	C 47KOHM, J, 1/4W	1	
R853	ERDS2TJ471	C 470 OHM, J, 1/4W	1	
R854	ERDS2TJ122	C 1.2KOHM, J, 1/4W	1	
R856	ERDS2TJ122	C 1.2KOHM, J, 1/4W	1	
R858	ERDS2TJ122	C 1.2KOHM, J, 1/4W	1	
R862	ER0S2CHF7501	M 7.5KOHM, F, 1/4W	1	
R863	ER0S2CKF9100	M 910 OHM, F, 1/4W	1	
R1500	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1510	ERJ3GEYF222	M 2.2KOHM, 1/16W	1	
R1511	ERJ3GEYF302	M 3.0KOHM, 1/16W	1	
R1512	ERJ3GEYF472	M 4.7KOHM, 1/16W	1	
R1513	ERJ3GEYF822	M 8.2KOHM, J, 1/16W	1	
R1550	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R1551	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R1552	ERJ6GEYJ224	M 220KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R1553	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R1554	ERJ6GEYJ271	M 270 OHM, J, 1/10W	1	
R2351-54	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2355-60	ERDS1FJ2R2	C 2.2 OHM, J, 1/2W	6	
R2361,62	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R2363	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2365	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2367,68	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R2383	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R2384	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R2385	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R2386	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R2387,88	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R2389-92	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2393	ERJ6GEYJ220	M 22 OHM, J, 1/10W	1	
R2394-96	ERJ6GEYJ103	M 10KOHM, J, 1/10W	3	
R2397	ERJ6GEYJ512	M 5.1KOHM, J, 1/10W	1	
R2398	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R2399,00	ERJ6GEYJ220	M 22 OHM, J, 1/10W	2	
R2404-07	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R2408-11	ERJ6GEY0R00	M 0 OHM, 1/10W	4	
R2412	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2413	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2414,15	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	2	
R2416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2417	ERJ3GEYJ122	M 1.2KOHM, J, 1/16W	1	
R2418,19	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R2420	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R2421,22	ERJ3GEYJ273	M 27KOHM, J, 1/16W	2	
R2423	ERJ3GEYJ153	M 15KOHM, J, 1/16W	1	
R2424,25	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2426	ERJ3GEYJ471	M 470 OHM, J, 1/16W	1	
R3001	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3002	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3003	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3004	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3005	ERJ6GEYJ184	M 180KOHM, J, 1/10W	1	
R3006,02	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3007,08	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3014-17	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R3018,19	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3022	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3023	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3023	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3024,25	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3026	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3026-29	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R3030-33	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R3034,35	ERJ3GEYJ331	M 330 OHM, J, 1/16W	2	
R3036	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3036	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R3037	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3037 02	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3038	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3039-41	ERJ3GEYJ331	M 330 OHM, J, 1/16W	3	
R3041 02	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3042	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3042 02	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R3043	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3044-47	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R3048	ERJ3GEYJ334	M 330KOHM, J, 1/16W	1	
R3049	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3050	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R3051	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R3053, 54	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3057, 58	ERJ3GEYJ560	M 56 OHM, J, 1/16W	2	
R3059	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3060	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3061	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3062	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3063	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3064-69	ERJ6GEYJ560	M 56 OHM, J, 1/10W	6	
R3070-75	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3076-81	ERJ6GEYJ560	M 56 OHM, J, 1/10W	6	
R3082	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R3083-87	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R3088-93	ERJ6ENF75R0	M 75 OHM, 1/10W	6	
R3094	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3095, 96	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R3101-06	ERJ6ENF1800	M 180 OHM, 1/10W	6	
R3107, 08	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R3110	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R3111	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R3116	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3117	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3118	ERJ6ENF8200	M 820 OHM, 1/10W	1	
R3125	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R3126	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3134	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R3140, 41	ERJ3GEYJ473	M 47KOHM, J, 1/16W	2	
R3143, 44	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3150, 51	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3160, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R3163	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3188-90	ERJ6ENF39R0	M 39 OHM, 1/10W	3	
R3195, 96	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R3197, 98	ERJ3GEYJ123	M 12KOHM, J, 1/16W	2	
R3210, 11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3212-15	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	4	
R3216-19	ERJ6GEYJ3R3	M 3.3KOHM, J, 1/10W	4	
R3230, 31	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3301-03	ERJ6ENF75R0	M 75 OHM, 1/10W	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3304-07	ERJ6GEYJ223	M 22KOHM, J, 1/10W	4	
R3308	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3309, 10	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3312	ERJ3GEYJ221	M 220 OHM, J, 1/16W	1	
R3314-17	ERJ3GEYJ221	M 220 OHM, J, 1/16W	4	
R3318, 19	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3320	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3321	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3322	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R3323	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R3324, 25	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3326, 27	ERJ3EKF3300	M 330 OHM, 1/16W	2	
R3328, 29	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3330, 31	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3332, 33	ERJ3EKF1270	M 127 OHM, 1/16W	2	
R3334, 35	ERJ3EKF4300	M 430 OHM, 1/16W	2	
R3336, 37	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R3338, 39	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3340, 41	ERJ3GEYJ151	M 150 OHM, J, 1/16W	2	
R3342, 43	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3344	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3345, 46	ERJ3GEYJ331	M 330 OHM, J, 1/16W	2	
R3347, 48	ERJ3GEYJ221	M 220 OHM, J, 1/16W	2	
R3349	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3350	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R3351, 52	ERJ3GEYJ473	M 47KOHM, J, 1/16W	2	
R3353	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3354	ERJ3GEYJ112	M 1.1KOHM, J, 1/16W	1	
R3355, 56	ERJ3GEYJ100	M 10 OHM, J, 1/16W	2	
R3358	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3359	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3360	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	1	
R3361	ERJ3GEYJ112	M 1.1KOHM, J, 1/16W	1	
R3362	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R3363-65	ERJ3GEYJ100	M 10 OHM, J, 1/16W	3	
R3366	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R3367-69	EXB38V220J	RESISTOR ARRAY	3	
R3370	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3371	EXB38V220J	RESISTOR ARRAY	1	
R3372-74	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3375-77	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R3378-80	EXB38V220J	RESISTOR ARRAY	3	
R3381-83	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R3384-86	EXB38V220J	RESISTOR ARRAY	3	
R3389, 90	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3392	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3399	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3400	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R3403, 04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3405, 06	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R3408	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R3411	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R3413, 14	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R3416	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R3417	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R3508, 09	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R3510, 11	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3529, 30	ERJ6GEYJ184	M 180KOHM, J, 1/10W	2	
R3547, 48	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3585, 86	ERJ6GEYJ560	M 56 OHM, J, 1/10W	2	
R3589	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3590	ERJ6GEYJ560	M 56 OHM, J, 1/10W	1	
R3591-93	ERJ6GEY0R00	M 0 OHM, 1/10W	3	
R3653	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3654	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3655	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R3656	ERJ6GEYJ333	M 33KOHM, J, 1/10W	1	
R3663, 64	ERJ6GEYJ102	M 1KOHM, J, 1/10W	2	
R3668	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3672	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R3776, 77	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R3778	ERJ6GEYJ473	M 47KOHM, J, 1/10W	1	
R3790, 91	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R4001-03	D1HG1008A002	NETWORK RESISTER	3	
R4004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4005	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4006	ERJ3EKF6801	M 6.8KOHM, 1/16W	1	
R4007	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4008	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4009	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4010	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4011	ERJ6ENF39R0	M 39 OHM, 1/10W	1	
R4012-14	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4016-19	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4020	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4021	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R4023	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4024	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4025	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R4026	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R4027	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4028	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4035-38	ERJ3GEYJ101	M 100 OHM, J, 1/16W	4	
R4041, 42	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4139	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4142	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4144	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4148	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4171	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4201	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4211-20	ERJ3GEYJ101	M 100 OHM, J, 1/16W	10	
R4221, 22	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4224	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4226	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4228	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4240, 41	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4242, 43	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4244	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4245	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4249	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4250-52	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4256, 57	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4260, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4263, 64	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4271-73	D1HG8208A002	NETWORK RESISTER	3	
R4274, 75	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4276	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4277-79	D1HG1218A002	NETWORK RESISTER	3	
R4280, 81	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4282	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4312, 13	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4314	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4316	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4318, 19	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	
R4321	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R4324	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4325-27	EXB38VR000	RESISTOR ARRAY	3	
R4502	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4503	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4506, 07	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4509, 10	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4513	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4514-16	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R4518	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4522, 23	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4525, 26	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4528-31	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4533	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4536, 37	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4539-41	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4544-47	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4549	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4554	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R4555-58	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4559, 60	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R4564-67	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R4568, 69	D1HG1038A002	NETWORK RESISTER	2	
R4570-72	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4573	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4574	EXB2HV680J	RESISTOR ARRAY	1	
R4575, 76	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4577	EXB2HV680J	RESISTOR ARRAY	1	
R4578, 79	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4580	ERJ6ENF1101	M 1.1KOHM, 1/10W	1	
R4581	ERJ6ENF3161	M3.16KOHM, 1/10W	1	
R4582, 83	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4584	EXB2HV680J	RESISTOR ARRAY	1	
R4585, 86	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4587-89	D1HG33080001	NETWORK RESISTER	3	
R4590, 91	ERJ3GEYJ680	M 68 OHM, J, 1/16W	2	
R4595	ERJ3GEYJ680	M 68 OHM, J, 1/16W	1	
R4596	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4618-21	D1HG33080001	NETWORK RESISTER	4	
R4622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4626, 27	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4631	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4640	ERJ3GEYJ121	M 120 OHM, J, 1/16W	1	
R4657, 58	ERJ6ENF1001	M 1KOHM, 1/10W	2	
R4672	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4673	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4674	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4676	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4701	EXB38V103J	RESISTOR ARRAY	1	
R4702	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4703	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4704	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4706	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4707	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4708	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4709	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4710, 11	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4712, 13	D1HG1008A002	NETWORK RESISTER	2	
R4715	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4716	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4717	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4718, 19	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4722	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4723	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4724	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4726	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4727	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4728	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4729, 30	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4732	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4734	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4735	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4737	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4738	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4740, 41	D1HG1008A002	NETWORK RESISTER	2	
R4742, 43	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R4745	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4746	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4747	EXB38VR000	RESISTOR ARRAY	1	
R4748-52	ERJ3GEY0R00	M 0 OHM, 1/16W	5	
R4753	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4754	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4755	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4756	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4757	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4758	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4759	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R4760	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4761-63	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4764, 65	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R4766, 67	EXB2HV470JV	RESISTOR ARRAY	2	
R4768	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4769	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R4770	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R4771	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4772	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4773	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4774	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4775	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4777	ERJ3GEYJ393	M 39KOHM, J, 1/16W	1	
R4778	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4779	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4780, 81	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4783	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4786	EXB38V103J	RESISTOR ARRAY	1	
R4788	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4790, 91	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4792	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4793	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R4795	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4796	ERJ3GEYJ182	M 1.8KOHM, J, 1/16W	1	
R4804	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4806	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4808	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4812, 13	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4814	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4815	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4817	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4818, 19	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4820	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4821	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4822, 23	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4824	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4825	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4826	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4827	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4828	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4829	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4830	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4831	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4832	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4833	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4834	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4835	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4836	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4837	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4838	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4839	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R4840	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4841, 42	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R4843	ERJ3GEYJ331	M 330 OHM, J, 1/16W	1	
R4844	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4845	ERJ3GEYJ392	M 3.9KOHM, J, 1/16W	1	
R4846	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	1	
R4847, 48	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R4849	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R4850	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4851-53	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R4855	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4858	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4859	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4860	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4863	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4864	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4865, 66	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4868	ERJ3GEYJ682	M 6.8KOHM, J, 1/16W	1	
R4869	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4870	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4872	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4873, 74	ERJ3GEYJ223	M 22KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R4876	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4877	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R4879	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4880	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4881	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4883	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4884	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4886	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R4887	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4888	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4891	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4892	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4893	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4894, 9 5	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R4900	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4902	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4903	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4904	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4906	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R4908	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R4909	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4910	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R4911- 21	ERJ3GEYJ101	M 100 OHM, J, 1/16W	11	
R4922, 2 3	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4924	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4925- 27	ERJ3GEY0R00	M 0 OHM, 1/16W	3	
R4930	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4931	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4932	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R4933	ERJ3EKF3901	M 3.9KOHM, 1/16W	1	
R4934	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R4935	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4936	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4938	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R4939	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R4940	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4941	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4942, 4 3	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R4944	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4947	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R4950	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4951	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4952	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4953	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R4954	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4955	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4957	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R4958	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R4959	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R4960	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4961, 6 2	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R4963	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R4964	ERJ3EKF7501	M 7.5KOHM, 1/16W	1	
R4965	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R4966, 6 7	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R4969	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R4970	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R4973	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R4974	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R4975	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4981	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4986	ERJ3GEYJ183	M 18KOHM, J, 1/16W	1	
R4987	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R4991, 9 2	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R4994, 9 5	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6001- 06	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6020	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6021	ERJ14YJ150U	M 15 OHM, J, 1/4W	1	
R6022	ERG3FJS101D	M 100 OHM, J, 3W	1	
R6023- 27	ERJ14YJ150U	M 15 OHM, J, 1/4W	5	
R6031, 3 2	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6033	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6034	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6041- 46	ERJ14YJ100	M 10 OHM, J, 1/4W	6	
R6053- 56	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6061, 6 2	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6102	D0GD101JA036	M 100 OHM, J, 0.25W	1	
R6104	D0GD101JA036	M 100 OHM, J, 0.25W	1	
R6106	D0GD101JA036	M 100 OHM, J, 0.25W	1	
R6108	D0GD101JA036	M 100 OHM, J, 0.25W	1	
R6109	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6110	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6111, 1 2	D0GD470JA036	M 47 OHM, J, 0.25W	2	
R6113	ERJ14YJ224	M 220KOHM, J, 1/4W	1	
R6114	D0GD470JA036	M 47 OHM, J, 0.25W	1	
R6116	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6131, 3 2	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6133, 3 4	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6135, 3 6	D0GD100JA036	M 10 OHM, J, 0.25W	2	
R6141, 4 2	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6146, 4 7	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6151, 5 2	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6153, 5 4	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6155, 5 6	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6157- 60	D0GF1R0JA047	M 1.0 OHM, J, 0.33W	4	
R6171	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6172, 7 3	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6181	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6182, 8 3	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6191- 94	ERJ6GEYJ101	M 100 OHM, J, 1/10W	4	
R6195	D0GD104JA036	M 100KOHM, J, 0.25W	1	
R6196	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6213	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6214	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6220	ERDS2TC0	C 0 OHM, 1/4W	1	
R6222	ERG1FJS103D	M 10KOHM, J, 1W	1	
R6223	ERG2FJS123D	M 12KOHM, J, 2W	1	
R6225	D0GD203JA036	M 20KOHM, J, 0.25W	1	
R6226, 2 7	ERJ6GEYJ163	M 16KOHM, J, 1/10W	2	
R6228	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6229	ERJ6GEYJ163	M 16KOHM, J, 1/10W	1	
R6230	ERDS2TC0	C 0 OHM, 1/4W	1	
R6231	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6232	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6241	EXB38V470J	RESISTOR ARRAY	1	
R6242	EXB38V472J	RESISTOR ARRAY	1	
R6243	EXB38V470J	RESISTOR ARRAY	1	
R6244	EXB38V472J	RESISTOR ARRAY	1	
R6251	D0GD103JA036	M 10KOHM, J, 0.25W	1	
R6252, 5 3	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6254	ERJ6ENF6801	M 6.8KOHM, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6255	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6256	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6257	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6258	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6261	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6401-06	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6421-26	ERJ14YJ150U	M 15 OHM, J, 1/4W	6	
R6441-46	ERJ14YJ100	M 10 OHM, J, 1/4W	6	
R6453-56	ERJ14YJ100	M 10 OHM, J, 1/4W	4	
R6465	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6466	ERJ6ENF5602	M 56KOHM, 1/10W	1	
R6467, 68	ERJ6ENF8202	M 82KOHM, 1/10W	2	
R6471	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6472	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6473	ERJ6GEYJ561	M 560 OHM, J, 1/10W	1	
R6474	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6475, 76	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6477	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6478	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6479	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6501, 02	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6503	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6504, 05	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6506	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6507-09	D0GF1R0JA047	M 1.0 OHM, J, 0.33W	3	
R6511, 12	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6516, 17	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6521, 22	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6523, 24	ERJ6GEYJ151	M 150 OHM, J, 1/10W	2	
R6525, 26	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R6531	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6532, 33	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6551	D0GD100JA036	M 10 OHM, J, 0.25W	1	
R6552, 53	ERJ6GEYJ103	M 10KOHM, J, 1/10W	2	
R6561-64	EXB38V470J	RESISTOR ARRAY	4	
R6565-68	EXB38V472J	RESISTOR ARRAY	4	
R6581	D0GD103JA036	M 10KOHM, J, 0.25W	1	
R6582, 83	ERJ6ENF3902	M 39KOHM, 1/10W	2	
R6584	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6585	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6586	ERJ6ENF1801	M 1.8KOHM, 1/10W	1	
R6587	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6588	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6590	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6591	EXB38V472J	RESISTOR ARRAY	1	
R6592	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6603	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6604	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6605	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6606	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6607	ERJ6ENF5361	M 5.36KOHM, 1/10W	1	
R6608, 09	D0GF102JA047	M 1.0 KOHM, J, 0.33W	2	
R6610	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6611	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R6612	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6613	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6614, 15	D0GF243JA047	M 24 KOHM, J, 0.33W	2	
R6616	ERJ6ENF1502	M 15KOHM, 1/10W	1	
R6617	ERJ6GEYJ105	M 1MOHM, J, 1/10W	1	
R6618	ERJ6ENF1202	M 12KOHM, 1/10W	1	
R6619	ERJ6ENF1501	M 1.5KOHM, 1/10W	1	
R6620	D0D28R2JA021	M 8.2 OHM, J, 5W	1	
R6621, 22	ERJ6GEYJ221	M 220 OHM, J, 1/10W	2	
R6641-45	ERJ6GEYJ100	M 10 OHM, J, 1/10W	5	
R6647, 48	ERJ6GEYJ100	M 10 OHM, J, 1/10W	2	
R6658	D0D1101JA009	M 100 OHM, J, 1W	1	
R6659, 60	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6661	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6662	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R6663	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6664	D0GF222JA047	M 2.2 KOHM, J, 0.33W	1	
R6665	ERJ14YJ470	M 47 OHM, J, 1/2W	1	
R6666	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R6667, 68	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	2	
R6671	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6672	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6673-75	D0GD5R6JA059	M 5.6 OHM, J, 0.25W	3	
R6682	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6683	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6684	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6685	ERJ6GEYJ471	M 470 OHM, J, 1/10W	1	
R6686	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6687	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6688	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6689	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6690	ERJ6GEYJ151	M 150 OHM, J, 1/10W	1	
R6691	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6696, 97	D0D32R2JA020	M 2.2 OHM, J, 5W	2	
R6700-08	ERJ6GEYJ471	M 470 OHM, J, 1/10W	9	
R6710-18	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	9	
R6721, 22	EXB38V220J	RESISTOR ARRAY	2	
R6723	ERJ6GEYJ222	M 2.2KOHM, J, 1/10W	1	
R6724	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6742	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6743	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6744	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6745	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6746, 47	D0GD103JA036	M 10KOHM, J, 0.25W	2	
R6755	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6756-58	D0GD101JA059	M 100 OHM, J, 0.25W	3	
R6759	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6760	ERJ6GEYJ122	M 1.2KOHM, J, 1/10W	1	
R6761	ERJ6GEYJ100	M 10 OHM, J, 1/10W	1	
R6762	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6775, 76	ERJ6GEYJ101	M 100 OHM, J, 1/10W	2	
R6777	D0GD151JA036	M 150 OHM, J, 0.25W	1	
R6781	ERJ6GEYJ470	M 47 OHM, J, 1/10W	1	
R6782	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6791	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R6792	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6793	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6801	ERX3FJS8R2D	M 8.2 OHM, J, 3W	1	
R6802	ERG2FJS683D	M 68KOHM, J, 2W	1	
R6803	ERG2FJS563D	M 56KOHM, J, 2W	1	
R6806, 07	ERX12S51R2	M 1.2 OHM, J, 1/2W	2	
R6808	D0GD272JA059	M 2.7KOHM, J, 0.25W	1	
R6809	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6810, 1	ERJ6GEYJ433	M 43KOHM, J, 1/10W	2	
R6812	ERJ6ENF2403	M 240KOHM, 1/10W	1	
R6813	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6814	ERJ6ENF5601	M 5.6KOHM, 1/10W	1	
R6816	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6817	ERJ6ENF1302	M 13KOHM, 1/10W	1	
R6819	ERJ6GEYJ681	M 680 OHM, J, 1/10W	1	
R6820	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R6821	ERG2FJS221D	M 220 OHM, J, 2W	1	
R6822	ERJ12YJ104U	M 100KOHM, 1/2W	1	
R6823	ERG1FJS104D	M 100KOHM, J, 1W	1	
R6824	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	1	
R6825, 2	ERJ6ENF2703	M 270KOHM, 1/10W	2	
R6827	ERJ6ENF2702	M 27KOHM, 1/10W	1	
R6828	ERJ6ENF5101	M 5.1KOHM, 1/10W	1	
R6829, 3	ERJ6GEYJ224	M 220KOHM, J, 1/10W	2	
R6831	ERJ6GEYJ153	M 15KOHM, J, 1/10W	1	
R6832	ERDS1FJ4R7	C 4.7 OHM, J, 1/2W	1	
R6833-36	ERJ6ENF5602	M 56KOHM, 1/10W	4	
R6837	ERJ6ENF5102	M 51KOHM, 1/10W	1	
R6839	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6841	ERJ12YJ153U	M 15KOHM, 1/2W	1	
R6842	ERJ14YJ433U	M 43KOHM, 1/2W	1	
R6843	ERJ6GEYJ623	M 62KOHM, J, 1/10W	1	
R6844	D0D2101JA021	M 100 OHM, J, 2W	1	
R6845	ERJ6GEYJ623	M 62KOHM, J, 1/10W	1	
R6846, 4	ERJ6GEYJ563	M 56KOHM, J, 1/10W	2	
R6848	ERJ6GEYJ103	M 10KOHM, J, 1/10W	1	
R6849, 5	ERJ6ENF6802	M 68KOHM, 1/10W	2	
R6851	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6852	ERJ6ENF2491	M 2.49KOHM, 1/10W	1	
R6853	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6858	D0GD102JA059	M 1.0KOHM, J, 0.25W	1	
R6860	D0D28R2JA021	M 8.2 OHM, J, 5W	1	
R6861	ERJ6ENF3902	M 39KOHM, 1/10W	1	
R6862, 6	ERJ6ENF4702	M 47KOHM, 1/10W	2	
R6864	ERJ6ENF9101	M 9.1KOHM, 1/10W	1	
R6865, 6	ERJ6ENF2201	M 2.2KOHM, 1/10W	2	
R6867	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6868	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6869	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6871-73	ERJ6ENF3902	M 39KOHM, 1/10W	3	
R6874	ERJ6ENF8201	M 8.2KOHM, 1/10W	1	
R6875	ERJ6ENF3301	M 3.3KOHM, 1/10W	1	
R6876	ERJ6ENF1201	M 1.2KOHM, 1/10W	1	
R6877	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	1	
R6878	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R6879	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	1	
R6886-88	ERJ6GEYJ224	M 220KOHM, J, 1/10W	3	
R6891	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	1	
R6901	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6902-04	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6905	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6909	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6913	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6917	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6924	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6931-34	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6935, 3	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R6951	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6955	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6959	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6963	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R6967	ERJ6GEYJ221	M 220 OHM, J, 1/10W	1	
R6971	ERJ6GEYJ101	M 100 OHM, J, 1/10W	1	
R6972-74	ERJ3GEYJ220	M 22 OHM, J, 1/16W	3	
R6981-84	ERJ6GEYJ103	M 10KOHM, J, 1/10W	4	
R6985, 8	ERJ8GEYJ224	M 220KOHM, J, 1/8W	2	
R7103-06	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7108	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7110	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7113-16	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7120	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7123-26	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7128	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7130	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7131	ERJ6GEYJ102	M 1KOHM, J, 1/10W	1	
R7132	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7133	ERJ6GEYJ223	M 22KOHM, J, 1/10W	1	
R7134	ERJ6GEYJ104	M 100KOHM, J, 1/10W	1	
R7135	EXB38V471J	RESISTOR ARRAY	1	
R7136-39	ERJ3GEYJ220	M 22 OHM, J, 1/16W	4	
R7140-42	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R7201	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R7203-05	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	3	
R7207	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R7209, 1	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7211-13	EXB38V471J	RESISTOR ARRAY	3	
R7215, 1	EXB38V470J	RESISTOR ARRAY	2	
R7221-25	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	5	
R7228, 2	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7234, 3	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	2	
R7238, 3	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	2	
R7240	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7241-44	EXB38V471J	RESISTOR ARRAY	4	
R7245	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7246-49	EXB38V471J	RESISTOR ARRAY	4	
R7250-53	ERJ12YJ6R8U	M 6.8 OHM, J, 1/2W	4	
R7254	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7256	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7257-60	ERJ3GEYJ220	M 22 OHM, J, 1/16W	4	
R7261-63	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R7264-71	EXB38V470J	RESISTOR ARRAY	8	
R7274-79	EXB38V471J	RESISTOR ARRAY	6	
R7280-85	EXB38V470J	RESISTOR ARRAY	6	
R7301-08	EXB38V470J	RESISTOR ARRAY	8	
R7309	EXB38V471J	RESISTOR ARRAY	1	
R7326-29	ERJ3GEYJ220	M 22 OHM, J, 1/16W	4	
R7330, 3	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7332	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7333, 3	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R7335, 3	ERJ3GEY0R00	M 0 OHM, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7337-44	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	8	
R7345-48	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R7349-56	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	8	
R7357,58	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R7359	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7360	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7361	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7362-69	EXB38V471J	RESISTOR ARRAY	8	
R7403-06	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7408	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7410	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7413-16	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7418	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7420	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7423-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7428	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7430	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7433-36	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7438	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7440	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7441-44	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7445	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7446-49	ERJ3GEYJ470	M 47 OHM,J,1/16W	4	
R7450-57	EXB38V470J	RESISTOR ARRAY	8	
R7459	ERJ6GEYJ102	M 1KOHM,J,1/10W	1	
R7460	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7461	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7462-70	EXB38V681J	RESISTOR ARRAY	9	
R7501,02	EXB38V681J	RESISTOR ARRAY	2	
R7503	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7504,05	EXB38V470J	RESISTOR ARRAY	2	
R7510-13	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7514	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7515	EXB38V681J	RESISTOR ARRAY	1	
R7516-19	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7520	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7521-24	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7525	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7526-33	EXB38V681J	RESISTOR ARRAY	8	
R7535	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R7536	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R7537	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7538	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7541-43	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R7544-46	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7547-54	EXB38V470J	RESISTOR ARRAY	8	
R7555	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7556-59	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7560	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R7575	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R7577	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7580-85	EXB38V681J	RESISTOR ARRAY	6	
R7586-91	EXB38V470J	RESISTOR ARRAY	6	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R7603-06	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7608	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7610	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7613-16	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7618	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7620	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7623-26	ERJ12YJ6R8U	M 6.8 OHM, J,1/2W	4	
R7628	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7630	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R7631	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R7632	ERJ6GEYJ104	M 100KOHM,J,1/10W	1	
R7633	ERJ6GEYJ223	M 22KOHM,J,1/10W	1	
R7634	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R7635-38	ERJ3GEYJ220	M 22 OHM,J,1/16W	4	
R7639-41	ERJ3GEYJ470	M 47 OHM,J,1/16W	3	
R7642	EXB38V681J	RESISTOR ARRAY	1	
R8001-04	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R8005	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8009-12	ERJ3GEYJ271	M 270 OHM,J,1/16W	4	
R8017,18	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	2	
R8021	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8025	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8026	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R8029	ERJ6ENF3001	M 3KOHM, 1/10W	1	
R8031	ERJ6ENF2201	M 2.2KOHM, 1/10W	1	
R8033	ERJ3GEYJ104	M 100KOHM,J,1/16W	1	
R8035	ERJ6ENF3300	M 330 OHM, 1/10W	1	
R8036	ERJ6ENF1500	M 150 OHM, 1/10W	1	
R8037	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8039	ERJ6ENF4701	M 4.7KOHM, 1/10W	1	
R8041	ERJ3GEYJ183	M 18KOHM,J,1/16W	1	
R8045	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8047	ERJ3GEYJ271	M 270 OHM,J,1/16W	1	
R8048	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8050	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	1	
R8051	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8054	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8055,56	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R8057	ERJ3GEYJ102	M 1KOHM,J,1/16W	1	
R8060	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8065	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8067	D0GB911JA002	M 910 OHM,J,1/16W	1	
R8069	ERJ6GEYJ222	M 2.2KOHM,J,1/10W	1	
R8072	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8089	ERJ3GEYJ181	M 180 OHM,J,1/16W	1	
R8093	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8097,98	ERJ3GEYJ103	M 10KOHM,J,1/16W	2	
R8100	ERJ3GEYJ103	M 10KOHM,J,1/16W	1	
R8112	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R8117-20	ERJ3GEY0R00	M 0 OHM, 1/16W	4	
R8121,22	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8124-27	ERJ6GEYJ101	M 100 OHM,J,1/10W	4	
R8129	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R8180	ERJ8GEYJ820V	M 82 OHM, J,1/8W	1	
R8181	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R8182	ERJ6GEYJ101	M 100 OHM,J,1/10W	1	
R8183,84	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R8185,86	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	2	
R8187,88	ERJ6GEYJ560	M 56 OHM,J,1/10W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R8189, 90	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
R8200	ERJ3GEYJ563	M 56KOHM, J, 1/16W	1	
R8201	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R8202	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R8203	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R8204	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R8205	ERJ3GEYJ753	M 75KOHM, J, 1/16W	1	
R8206	ERJ3GEYJ393	M 39KOHM, J, 1/16W	1	
R8207	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9060-67	ERJ3GEYJ101	M 100 OHM, J, 1/16W	8	
R9070	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9074	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9076	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9095	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9097	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9099	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9100, 01	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9102	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9106	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9107	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	1	
R9108, 09	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9110	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9111	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9113	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R9120	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9121	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9127	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9129	ERJ3GEYJ683	M 68KOHM, J, 1/16W	1	
R9134	ERJ3GEYJ333	M 33KOHM, J, 1/16W	1	
R9140	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
R9141-45	ERJ3GEYJ101	M 100 OHM, J, 1/16W	5	
R9148	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9149	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9150, 51	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9152, 53	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9154, 55	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9156-59	ERJ3GEYJ103	M 10KOHM, J, 1/16W	4	
R9160, 61	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R9164-66	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9167, 68	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9169	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9170-72	ERJ3GEYJ393	M 39KOHM, J, 1/16W	3	
R9173-75	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9177	ERJ3GEYJ223	M 22KOHM, J, 1/16W	1	
R9178	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9179	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9180	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9181-84	ERJ3GEYJ102	M 1KOHM, J, 1/16W	4	
R9185, 86	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9187, 88	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	2	
R9189, 90	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9192	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9193	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9194	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9196	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9198	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9199	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9201, 02	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9203	ERJ3GEYJ102	M 1KOHM, J, 1/16W	1	
R9204, 05	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9206, 07	ERJ3GEYJ102	M 1KOHM, J, 1/16W	2	
R9209	ERJ3GEYJ100	M 10 OHM, J, 1/16W	1	
R9210	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	1	
R9215	ERJ3GEYJ123	M 12KOHM, J, 1/16W	1	
R9217-22	ERJ3GEYJ103	M 10KOHM, J, 1/16W	6	
R9236	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9237	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9244, 45	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9247, 48	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9300, 01	ERJ3GEYJ820	M 82 OHM, J, 1/16W	2	
R9302, 03	D1HG8208A002	NETWORK RESISTER	2	
R9304, 05	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9306, 07	EXB38V820J	RESISTOR ARRAY	2	
R9308	D1HG8208A002	NETWORK RESISTER	1	
R9309, 10	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9311, 12	ERJ3GEYJ820	M 82 OHM, J, 1/16W	2	
R9313, 14	D1HG8208A002	NETWORK RESISTER	2	
R9315, 16	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9318	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9319	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9320	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9367	ERJ3GEYJ181	M 180 OHM, J, 1/16W	1	
R9371	EXB2HV470JV	RESISTOR ARRAY	1	
R9372	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9373	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9374	EXB38V470J	RESISTOR ARRAY	1	
R9375	ERJ3GEYJ151	M 150 OHM, J, 1/16W	1	
R9389-91	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9393-95	D1HG8208A002	NETWORK RESISTER	3	
R9396, 97	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9398	EXB38V820J	RESISTOR ARRAY	1	
R9404	EXB2HV470JV	RESISTOR ARRAY	1	
R9412-21	EXB38V470J	RESISTOR ARRAY	10	
R9428	EXB38V103J	RESISTOR ARRAY	1	
R9430	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9433	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9437, 38	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9440	EXB2HV470JV	RESISTOR ARRAY	1	
R9441	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9442	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9443	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9444	D1HG8208A002	NETWORK RESISTER	1	
R9445	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9446	EXB38V820J	RESISTOR ARRAY	1	
R9448	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9449, 50	D1HG8208A002	NETWORK RESISTER	2	
R9451, 52	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9453-57	D1HG8208A002	NETWORK RESISTER	5	
R9458, 59	ERJ3GEYJ820	M 82 OHM, J, 1/16W	2	
R9460, 61	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9462, 63	EXB38V820J	RESISTOR ARRAY	2	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9464, 65	ERJ3GEYJ220	M 22 OHM, J, 1/16W	2	
R9466, 67	ERJ3GEYJ820	M 82 OHM, J, 1/16W	2	
R9468	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9469	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9470	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9471	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9472	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9475	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9480	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9482-85	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9486	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9487	ERJ3GEYJ151	M 150 OHM, J, 1/16W	1	
R9488	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9489-95	ERJ3GEYJ470	M 47 OHM, J, 1/16W	7	
R9496	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9497	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	1	
R9498	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9506	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9507	ERJ3GEYJ560	M 56 OHM, J, 1/16W	1	
R9512	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9514	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9515	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9523	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9525	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9526	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9527, 28	EXB2HV272JV	RESISTOR ARRAY	2	
R9529, 30	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9531-33	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R9534	EXB38V470J	RESISTOR ARRAY	1	
R9535, 36	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R9537	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9539	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9542	ERJ3GEYJ680	M 68 OHM, J, 1/16W	1	
R9543, 44	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9545	ERJ3GEYJ304V	M 300KOHM, J, 1/16W	1	
R9546	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9548-50	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9552-54	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R9556	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9560	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9574	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9578	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9580-83	ERJ3EKF1001	M 1KOHM, 1/16W	4	
R9584	ERJ3GEYJ330	M 33 OHM, J, 1/16W	1	
R9585, 86	ERJ3GEYJ470	M 47 OHM, J, 1/16W	2	
R9587-95	EXB38V470J	RESISTOR ARRAY	9	
R9596-99	ERJ3GEYJ470	M 47 OHM, J, 1/16W	4	
R9602	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9616	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9619, 20	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	2	
R9622	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9624, 25	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9628	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9630	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9631	EXB2HV272JV	RESISTOR ARRAY	1	
R9632-34	ERJ3GEYJ470	M 47 OHM, J, 1/16W	3	
R9637	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9639	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
R9641	ERJ3GEYJ470	M 47 OHM, J, 1/16W	1	
R9643	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9645	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9800	ERJ3EKF1302	M 23KOHM, 1/16W	1	
R9801	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9802	ERJ3EKF6202	M 62KOHM, 1/16W	1	
R9803	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9804	ERJ3EKF2402	M 24KOHM, 1/16W	1	
R9805	ERJ3EKF3002	M 30KOHM, 1/16W	1	
R9806	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9807	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9808	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9810	ERJ3EKF3001	M 3KOHM, 1/16W	1	
R9813	ERJ3EKF2401	M 2.4KOHM, 1/16W	1	
R9814	ERJ3EKF6802	M 68KOHM, 1/16W	1	
R9815	ERJ3EKF2202	M 22KOHM, 1/16W	1	
R9816	ERJ3EKF8202	M 82KOHM, 1/16W	1	
R9821	ERJ3GEYJ103	M 10KOHM, J, 1/16W	1	
R9823-28	ERJ3GEYJ101	M 100 OHM, J, 1/16W	6	
R9830, 31	ERJ3GEYJ103	M 10KOHM, J, 1/16W	2	
R9838, 39	ERJ3GEYJ101	M 100 OHM, J, 1/16W	2	
R9840	ERJ3GEYJ220	M 22 OHM, J, 1/16W	1	
R9841	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9842-44	ERJ3GEYJ101	M 100 OHM, J, 1/16W	3	
R9845	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	1	
R9846, 47	EXB2HV272JV	RESISTOR ARRAY	2	
R9848, 49	EXB2HV470JV	RESISTOR ARRAY	2	
R9850	ERJ3GEYJ473	M 47KOHM, J, 1/16W	1	
R9854	ERJ3GEYJ101	M 100 OHM, J, 1/16W	1	
R9859	EXB38V101J	RESISTOR ARRAY	1	
R9868	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9869-71	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9872	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9875-77	ERJ3GEYJ103	M 10KOHM, J, 1/16W	3	
R9878	ERJ3EKF3902	M 39KOHM, 1/16W	1	
R9879	ERJ3EKF2002	M 20KOHM, 1/16W	1	
R9880	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9883	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9884	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
R9891	ERJ3EKF4702	M 47KOHM, 1/16W	1	
R9892	ERJ3EKF1502	M 15KOHM, 1/16W	1	
R9893	ERJ3EKF3602	M 36KOHM, 1/16W	1	
R9896	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R9897	ERJ3GEYJ104	M 100KOHM, J, 1/16W	1	
RF101	A5MC100JP2	139C 10	1	△
RM001	PNA4701M05TV	REMOCO RECEIVER	1	
RTL	TXAUW01ZMTU	CIRCUIT BOARD H3	2	PAVCA △
RTL	TNPA3896S	CIRCUIT BOARD J	1	PAVCA △
RTL	TXNHX10ZMT	CIRCUIT BOARD HX	1	PAVCA △
RTL	TXNHA1YNSA	CIRCUIT BOARD HA	1	PAVCA △
RTL	TXNHU1ZFTU	CIRCUIT BOARD HU	1	PAVCA △
RTL	TXNDA1ZMTU	CIRCUIT BOARD DA	1	PAVCA △
RTL	TXNPB1ZKTU	CIRCUIT BOARD PB	1	PAVCA △
RTL	ETXMM610MEFA	CIRCUIT BOARD P	1	PAVCA △
RTL	TXNC11BHTUE	CIRCUIT BOARD C1	1	PAVCA △
RTL	TXNC21BHTUE	CIRCUIT BOARD C2	1	PAVCA △
RTL	TXNC31BHTUE	CIRCUIT BOARD C3	1	PAVCA △
RTL	TXNC41BHTUE	CIRCUIT BOARD C4	1	PAVCA △
RTL	TXNC51BHTUE	CIRCUIT BOARD C5	1	PAVCA △
RTL	TXNC61BHTUE	CIRCUIT BOARD C6	1	PAVCA △
RTL	TNPA3820ADS	CIRCUIT BOARD D	1	PAVCA △
RTL	TXNSC1BHTUE	CIRCUIT BOARD SC	1	PAVCA △
RTL	TXNSD1BHTUE	CIRCUIT BOARD SD	1	PAVCA △
RTL	TNPA3829S	CIRCUIT BOARD SS2	1	PAVCA △

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
RTL	TXNSS1BHTUE	CIRCUIT BOARD SS	1	PAVCA ⚠
RTL	TNPA3830S	CIRCUIT BOARD SS3	1	PAVCA ⚠
RTL	TXNSU1BHTUE	CIRCUIT BOARD SU	1	PAVCA ⚠
RTL	TXNV21YSSA	CIRCUIT BOARD V2	1	PAVCA ⚠
RTL	TXNV11YNSA	CIRCUIT BOARD V1	1	PAVCA ⚠
RTL	TXNS11ZMTU	CIRCUIT BOARD S1	1	PAVCA ⚠
S34	K1KA03AA0193	3P CONNECTOR	1	
SC2	K1KA02A00626	2P CONNECTOR	1	
SC20	K1KA20AA0008	20P CONNECTOR	1	
SC23	K1KA03AA0193	3P CONNECTOR	1	
SC30	K1KA08AA0192	8P CONNECTOR	1	
SC41, 42	K1ML80B00001	80P CONNECTOR	2	
SC45, 46	K1KA09A00239	9P CONNECTOR	2	
SCMM2, M3	TMME260	CLAMPER	2	
SD1-D4	K1MN96B00006	96P CONNECTOR	4	
SD46	K1KB09A00045	9P CONNECTOR	1	
SS11	K1KA02A00626	2P CONNECTOR	1	
SS12	K1KA10AA0194	10P CONNECTOR	1	
SS20, 21	K1KA07A00170	7P CONNECTOR	2	
SS22, 23	K1KB07AA0087	7P CONNECTOR	2	
SS33	K1KA04AA0193	4P CONNECTOR	1	
SS34	K1KA03AA0193	3P CONNECTOR	1	
SS43	K1KA12AA0194	12P CONNECTOR	1	
SS44	K1KA04AA0193	4P CONNECTOR	1	
SS51-56	K1MN13B00020	13P CONNECTOR	6	
SU1-U4	K1MN96B00006	96P CONNECTOR	4	
SU45	K1KB09A00045	9P CONNECTOR	1	
SW061	K0F162B00002	SWITCH	1	
SW1550-54	EVQPLHA15	SWITCH	5	⚠
T201	ETB57LZ156AD	TRANS	1	⚠
T301	ETB50LZ116AD	TRANS	1	⚠
T501	ETB25KA1C6AD	TRANS	1	⚠
T6602	ETS25AZ149AD	TRANS	1	
V2	K1KA06BA0047	6P CONNECTOR	1	
V15	K1KA03BA0047	3P CONNECTOR	1	
VR251	EVMEASA01B54	VARIABLE RESISTOR	1	
VR351	EVMEASA01B14	VARIABLE RESISTOR	1	
VR401	EVMEASA01B34	VARIABLE RESISTOR	1	
VR6000	EVMEASA00B14	CONTROL 10KOHMB 0.3W	1	
VR6600	EVMEASA00B13	CONTROL 1KOHMB 0.3W	1	
VR6602	EVMEASA00B53	CONTROL 5KOHMB 0.3W	1	
X2301	H0J184500026	CRYSTAL	1	PAVCA
X3301	H1A2705B0032	CRYSTAL	1	
X4501	H0J200500038	CRYSTAL	1	
X4701	H0J100500030	CRYSTAL	1	
X8181	H0J327200114	CRYSTAL	1	
X9000	H2D200500011	CRYSTAL	1	
X9500	H0J200500038	CRYSTAL	1	
Z101	TND14V751	VARISTOR	1	⚠
Z102	ERZVGAD471	VARISTOR	1	⚠
Z501	ERZVGAD471	VARISTOR	1	⚠
ZA3001-08	K4CD01000013	TERMINAL	8	
ZA4001, 02	K4CD01000011	TERMINAL	2	
ZA6001-03	K4CD01000011	TERMINAL	3	

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
ZA6401-03	K4CD01000011	TERMINAL	3	
ZA7101-05	K4CD01000013	TERMINAL	5	
ZA7201-05	K4CD01000013	TERMINAL	5	
ZA7301-05	K4CD01000013	TERMINAL	5	
ZA7401-05	K4CD01000013	TERMINAL	5	
ZA7501-05	K4CD01000013	TERMINAL	5	
ZA7601-05	K4CD01000013	TERMINAL	5	
ZA9001	K4CD01000011	TERMINAL	1	
ZD101	MA8051	ZENER DIODE	1	
ZD351-54	MA8150	ZENER DIODE	4	
ZD405, 06	MA4300N	ZENER DIODE	2	
ZD407	MA4120N	ZENER DIODE	1	
ZD408	MA8220	ZENER DIODE	1	
ZD501	MA8270	ZENER DIODE	1	
ZD502	MA4300N	ZENER DIODE	1	